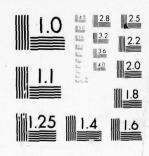


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NAVAL OCEANOGRAPHY AND METEOROLOGY DIRECTOR

S S S

(Summary of Meteorological Observations, Surface)

Detachment Asheville, N. C. 28801 Federal Building Naval Weather Service Prepared by



Station: DALLAS, TX.

MERCEUT

Job Number: 72006 Period: 1945-T





REPORT DOCUMENTATION	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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18. SUPPLEMENTARY NOTES		A
Climatology, surface wind, temper relative humidity, station pressu daily temperature, weather condit facility, coastal region, snow de	ature, precipita re, extreme temp ions, monthly cl	tion, ceiling, visibility, eratures, sea level pressure, imatology, Naval shore
This data report consists of a six weather observations. The six pa Atmospheric Phenomena, Part B - P Surface Winds, Part D - Ceiling Psychrometric Summaries, Part F	x part statistic rts are: Part A recipitation/Sno versus Visibilit	al summary of surface - Weather Conditions/ wfall/Snow Depth, Part C - cy/Sky Cover, Part E -

STATION 1	STATION NO ON SUMMARY 93901	STATION NAME Dallas, Texas		LATITUDE 32°	N. 77	LONGITUDE 96°58'W	STATION ELEV. (FT.)	CALLSIGN	AND NUMBER	8 8 8
		STATION LOCATION		ANDIN	INSTRUMENTATION	AENTA		HISTORY	_	
NUMBER OF BARG		SHAM SHOTTERS AND SHOWN	TYPE	AT THIS LOCATION	ATION	ATITUDE	3011010	ELEVATION ABOVE MSL	BOVE WSL	0.85
LOCATION			STATION	FROM	10			FEET	TYPE BAROMETER	DAY
i	Weather s	Weather service office	NSN	1949	1957	32°44'N	96°58'W	469	Tonnelot	Var
2.	:	=	:	1957	1967	=	z	=	:	24
3.	:	=	=	1967	1969	=	=	=	:	24
4.	Removed N	Removed November 1969								
la.	Weather s	Weather service office	=	1961	1967	=	Ξ	474	Aneroid	24
1b.	=	=	=	1967		=	z	=	=	24
0.F		SURFACE WIND EDUPMENT INFORMATION	PMENT INFOR	TYPE OF	TYPE OF	HT ABOVE	REMARKS, ADDIT	IONAL EQUIPMENT,	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	95.
LOCATION	CHANGE	LOCATION		THANSMITTER	RECORDER	GROUND				
1.	Installed	1 Atop building 20		Unknown	Unknown	75'	1. Barograph (ML-3)	Barograph (ML-3)	(AN/CMO-29)	6
2.	1961	1600 feet northwest of weather service office, adjacent to runway 17-35	her	AN/UMQ-5	5 RD-108	10,		Cloud height set (AN/G Transmissometer (AN/GMCeiling light (ML-121)	Cloud height set (AN/GMQ-135) Transmissometer (AN/GMQ-10C) Ceiling light (ML-121)	ତର ନ
3.	1966	500 feet east of center line of runway 17-35 and 350 feet southwest of center line of taxiway #3	e of outh- way #3	:	RD-108B	15'				
4.	1975	500 feet east of center line of runway 17 - 35	e of	:	RD-447/ GMQ 29	18,	100	0		

NWSD, Federal Building Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- 2. All available data will be used for extreme values.
- Summarize (update) every five years.
- a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
- The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
- c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".O". (This value indicates a percent less than ".O5," which, in most cases, reflects a single reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect occurrence of an occasional spurious value should not in itself be considered significant. Every effort All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms. observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- .. By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

sail Occurrences of hail and small hail are included.

more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns. Percentage of observations with precipitation - Included in this category are the observations when one or

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage

Percentages The total number of observations may vary among tables within the same month and period. may not always equal 100.0 due to rounding practices. NOTE:

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than pertotal columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	10.3	14,2	14.8	21.3	11.6	12.3	13.5	0.6		13.4
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	9.	9.	9.	2.6	9.	1.9	3.2	1.9		1,5
500	9.7	13.5	14.8	19.4	11.0	11,0	11.0	7.1		12.2
% OF OBS WITH PRECIP.	0.6	11.0	11.0	11.0	10.3	7.1	6.5	11.0		9.6
HAIL								0		7.
SNOW AND/OR SLEET	0.	1.9	1.9	9.	1.9	1.3	9.	•		
FREEZING RAIN &/OR DRIZZLE	•	9.	1.9	1.3	2.6		1.	1.9		1.3
RAIN AND/OR F DRIZZLE	7.1	4	7.1	9.0	6.5		4	€ 4.		7.2
THUNDER- STORMS		•					4.	9.		٥.
HOURS (L.S.T.)	000	03	90	60	12	15	80	12		
MONTH	NAL									TOTALS

WEATHER CONDITIONS

93901 STATION

DALLAS, TEXAS

STATION NAME

73-77

YEARS

FE B

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

									 		_
TOTAL NO. OF OBS.	141	141	141	141	141	14.	141	141			1.28
% OF OBS WITH OBST TO VISION	3,5	7.1	6.6	19.1	8.5	5.7	4.0	1.4			7.7
DUST AND/OR SAND	۲.	.,	1.4	1.4	.,		1.64				400
BLOWING											
SMOKE AND/OR HAZE				2.8	2,1	1.4					G.
FOG	2.8	4.4	8. S	15.6	5.7	4.	4.3	1.4			6.1
% OF OBS WITH PRECIP.	3.5	7.1	5.0	8.0	5.7	5.0	4	2.8			2
HAIL											
SNOW AND/OR SLEET	۲.	4.	1.4	1.4						4	2
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	2.8	4.9	60) 80	7.1	5.7	0.0	4.3	æ. ∼			4.7
THUNDER- STORMS		1.4									
HOURS (L.S.T.)	00	03	90	60	12	15	18	21			
МОИТН	B. B.									TOTALS	

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WEATHER CONDITIONS

93901 STATION

STATION NAME DALLAS, TEXAS

73-77

YEARS

MONTH WONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

							_			
TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	5.2	7.6	12,3	16.1	7,1	5.2	6.5	4.5		8.3
DUST AND/OR SAND	9.	1.3					1.3	1.3		6.
BLOWING										
SMOKE AND/OR HAZE				3.9	1.3	9.	9.			8.
FOG	4	4.0	12.3	14.2	8.0	4.5	4.5	3.2		7.2
% OF OBS WITH PRECIP.	2°	5,8	10.3	11.0	5.8	5.	2.5	30		9.9
HAIL										
SNOW AND/OR SLEET			0.							.1
FREEZING RAIN &/OR DRIZZLE				9.						.1
RAIN AND/OR DRIZZLE	6	5.2	4.6	10.3	8	5.2	2.5	80		6.3
THUNDER- STORMS	1.3	1.3	1.3	5.6	9.	9.		1.		1.1
HOURS (L.S.T.)	00	03	90	60	12	2	18	21		
MONTH	MAR									TOTALS
										1

WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

YEARS

A P R

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	2.7	4.7	18.7	18.7	0.8	6.7	8.7	6.0		8
DUST AND/OR SAND						.,	1.3			8
BLOWING										
SMOKE AND/OR HAZE			4.0	8.0	3.3	2.0	2.7	2.0		2.9
506	2.7	0.4	14.7	10.7	4.7	0.4	4.7	0.4		6.2
% OF OBS WITH PRECIP.	8	6.7	6	11,3	7.3	7,3	6.7	w.		0 8
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	60	6.7	4	11.3	6	7.3	6.7	7.3		0.8
THUNDER- STORMS	2.7	2.0	2.7	.,		.,	3.3	6.		1.9
HOURS (L.S.T.)	00	03	90	60	12	5	00	21		
MONTH	APR									TOTALS

2 0

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WEATHER CONDITIONS

93901 STATION

73-77

MAY

DALLAS, TEXAS

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	9.	1.3	53.9	6.5	3.2	3.9	4.5	1.9		2.
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE			10.3	3.9	2.6	2.6	3.2	1.3		3.0
FOG	9.	1.3	14.8	2.6	9.	1.3	1.3	9.		2.9
% OF OBS WITH PRECIP.	4.5	4.5	2.5	5.2	8.8	6.5	8.2	3		6.4
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	4.8	4	5.5	5.5	8	6.5	3.2	4.5		4.0
THUNDER- STORMS	2.6	2.6	1.9	1.3	3.2	1.9	8	5.2		60
HOURS (L.S.T.)	00	60	90	60	12	15	18	2.1		
MONTH	МАУ									TOTALS

WEATHER CONDITIONS

STATION NAME DALLAS, TEXAS 93901 STATION

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		۶	1200
% OF OBS WITH OBST TO VISION		۲.	12.7	4.7	2.7	1.3		۲.			2.9
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE			8.0	4.0	2.7	.7	7.	.,			2.1
FOG			4.7	.7							6.
% OF OBS WITH PRECIP.	3,3	5.3	2.7	2.7	2.0	3.3	3.3	2.7			3.8
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	10 10	10	2.7	2.7	2.0	3.3	w.	2.7			3.2
THUNDER	2.7	5.3	2.0	Ect Lat		1.3	2.7	2.7			2.5
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1			
MONTH	200										TOTALS

WEATHER CONDITIONS

93901 DALLAS, TEXAS

STATION NAME

73-77

YEARS

JUL MONTH

PERCENTAGE FREDUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

TOTAL NO. OF OBS.	154	155	155	155	155	155	155	155		1239
% OF OBS WITH OBST TO VISION	9.	•	7.6	4.3	1.9		8	1.3		3.0
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	9.		7.1	3.2	1.9	1.3	3.2	1.3		2.3
506		9.	6.				4			œ
% OF OBS WITH PRECIP.	4.5	3.2	2.6	2.6	1.9	o.	7.1	8.8		0.4
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	4	2.	2.6	2.0	1.9	6	7.1	3C)		4.0
THUNDER- STORMS	1.9	1.3			•	2.6	5.2	9.0		1.9
HOURS (L.S.T.)	00	03	90	60	12	27	9	21		
MONTH	705						1000			TOTALS

WEATHER CONDITIONS

STATION NAME DALLAS, TEXAS 93901 STATION

73-77

AUG

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

	in	in	10	S	100	n	100	S			0
TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION		9.	18.1	7.1	4.5	9.	1.9	9.			4.2
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE			14.8	5.8	3.9	9.	1.9	9.			3.5
F0G		\$	4.5	5.6	9.			9.			1.1
% OF OBS WITH PRECIP.	1,3	9.	3.9	3,9	3.2	5.6	¥.	\$.			2,6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	1.3	9	3.0	0	60	2.6	6.9	6.			2.0
THUNDER- STORMS		9.	1.3	•		1.9	1.9				80
HOURS (L.S.T.)	00	03	90	60	12	15	138	12			
MONTH	AUG										TOTALS

WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

73-77

SEP

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00		en en				5,3	1.0				2.0	150
	03		6.7				6.7	4.7	1.3			4.7	150
	90	.,	7.				7,3	15.3	6.0			20.0	150
	60		10.7				10.7	10.7	6.6			17,3	150
	12	.,	2. E.				5.3	2.7	7.3			6.3	150
	15	1.	6.0				0.9	.,	4.0			4.7	150
	18	1.3	10.7				10.7	2.0	2.0			0.4	150
	2.1	2.7	8				8.0	3.3				3,3	150
TOTALS		1.0	7.8				7.5	5.1	4.1			8.2	1200

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WEATHER CONDITIONS

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STATION NAME DALLAS, TEXAS

73-77

OCT MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

									 	 _
TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	4.5	3.9	9.7	15.5	20	3.9	3.9	4.5		6.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE			1.3	7.7	2.6	•	1.3	1.3		1.9
FOG	4.5	3.0	0.6	9.7	2.2	8	8	3.0		3
% OF OBS WITH PRECIP.	7.7	5.8	7.7	80	7.1	6.5	3.9	3.9		6.0
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	7.7	80	7.7	e.	7.1	6.5	9.0	6		6.0
THUNDER- STORMS	1.3	4.	-	9.			9.	9.		4.
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1		
HINO	DCT									OTALS

WEATHER CONDITIONS

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DALLA	
93901	STATION

73-77

YEARS

NOV HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	4.7	5.3	10.7	16.0	8.0	6.7	5.3	3,3		7.5
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE				2.7	1.3	2.7	2.0			1.3
FOG	4.7	E.	10.0	13.3	6.7	4.7	0.4			6.5
% OF OBS WITH PRECIP.	4.7	0.0	0.0	4.7	7.3	7.3	0.4	8.		3.4
HAIL										
SNOW AND/OR SLEET	7.				.,	1.				7.
FREEZING RAIN &/OR DRIZZLE										•
RAIN AND/OR DRIZZLE	4.0	×.	6.0	4.7	6.7	6.0	23	3.3		4.0
THUNDER- STORMS	7.		.,			. 7	. 7			. 4.
HOURS (L.S.T.)	00	03	90	60	12	13	18	21		
MONTH	NOV									TOTALS

DEC

YEARS

WEATHER CONDITIONS

	'
DALLAS, TEXAS	STATION NAME
33901	STATION

E OF WEATHER	IONS
40	Ë
SE FREQUENCY OF OCCURRENCE	OBSERVATIO
1330	RLY
40	201
JENCY	S FROM HOURLY
FREG	LONS
PERCENTAGE	CONDITIONS
PER	

	,										
155	155	155	155	155	155	155	155				1240
6.5	5,8	7.7	11.6	7.7	10.3	11.6	7.1				200
9.	9.	9.			4.	1.3	9.				
	9.		4.5	1.3	3.2	1.9					1.6
5.0	4.5	7.1	7.7	6.3	6.3	4.	6.5				6.6
5.2	5.2	7.7	7.7	7.7	7.1	æ	6.0				9.9
9.	9.										2.
					•						1
5.2	4.5	7.7	7.7	7.7	80	00) W)	\$.				6
	0										2.
00	03	90	60	12	15	1.8	21				
DEC											TOTALS
	6 5.2 5.8 6 6.5	03 .6 4.5 .6 5.2 5.8 .6 6.5	7 00 5.2 5.8 .6 6.5 03 .6 4.5 .6 5.2 4.5 .6 5.8 06 7.7 7.7 7.1 .6 7.7	7 00 5.2 5.8 .6 6.5 03 .6 4.5 .6 .6 .6 5.8 06 7.7 7.7 7.1 .6 5.8 09 7.7 7.7 7.7 4.5 .6 5.8 11.6	7 00 5.2 5.8 .6 6.5 03 .6 4.5 .6 .6 5.8 06 7.7 7.7 7.1 .6 5.8 09 7.7 7.7 7.7 4.5 .11.6 12 .6 7.7 7.7 6.5 1.3 7.7	7 00 5.2 5.8 .6 6.5 03 .6 4.5 .6 .6 .6 5.8 06 7.7 7.7 7.1 .6 5.8 09 7.7 7.7 7.7 4.5 .6 7.7 12 .6 7.7 7.7 6.5 1.3 7.7 15 6.5 .6 7.7 6.5 3.2 .6 10.3	0.0 5.2 5.8 .6 6.5 0.3 .6 4.5 .6 .6 .6 5.8 0.6 7.7 7.7 7.1 .6 5.8 0.9 7.7 7.7 7.7 4.5 .6 7.7 12 .6 7.7 7.7 6.5 11.6 7.7 18 5.8 8.4 1.9 11.3 11.6	03 .6 5.2 5.8 .6 .6 5.8 03 .6 4.5 .6 .6 5.8 06 7.7 7.7 7.1 .6 7.7 09 7.7 7.7 7.7 4.5 .6 7.7 12 .6 7.7 7.7 6.5 11.6 7.7 18 5.8 8.4 1.9 1.3 11.6 11.6 21 6.5 6.5 6.5 6.5 .6 7.1	03 .6 5.2 5.8 .6 .6 5.8 04 7.7 7.7 7.1 .6 5.8 09 7.7 7.7 7.7 4.5 .6 7.7 12 .6 7.7 7.7 6.5 1.3 7.7 18 5.8 .6 7.1 6.5 3.2 .6 10.3 21 5.8 8.4 1.9 1.3 11.6 21 5.8 8.4 1.9 1.3 11.6	03 .6 5.2 5.8 .6 .6 5.8 04 7.7 7.7 7.1 .6 5.8 05 7.7 7.7 7.7 .6 7.7 12 .6 7.7 7.7 4.5 11.6 18 5.8 .6 1.3 1.5 18 5.8 8.4 1.9 1.3 11.6 21 6.5 6.5 6.5 .6 7.1	0.0 5.2 5.2 4.5 .6 5.8 0.0 7.7 7.7 7.1 .6 5.8 0.0 7.7 7.7 7.7 7.7 7.7 1.2 .6 7.7 7.7 4.5 11.6 1.5 .6 5.8 8.4 1.9 11.3 11.6 2.1 6.5 .6 5.8 8.4 1.9 11.3 11.6 2.1 6.5 6.5 6.5 .6 7.1

WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

73-77

ALL

YEARS

PERCENTAGE FREQUENCY OF UCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	2 7.2	1.		•	9.0	12.2	1.5			13.4	1240
500	2 4.7		in		5.2	6.1	6.		8	7.7	1128
1.1	1 6.5	•			6.6	7.2	60		9.	8.3	1240
1.0	0.8.0				8.0	6.2	2.8		.3	9.3	1200
20	6.4				4.9	2.9	3.0			5.7	1240
2.	5.5				3.2	0	2,1			2.9	1200
1.9	0.4				4.0	80	2,3			3.0	1239
•	8				5.5	1.1	60			4.2	1240
1.0	2.5				7.5	5.1	4.1			8.2	1200
•	6.0				0.9	5.1	1.9			6.5	1240
•	2.2	•	4.		3.	6.3	1.3			7.5	1200
	2 6.5	•	.2		0.0	9.9	1.4			8.5	1240
1.1	1 5.5	1.	8.	0	5.00	5.1	2.1		.2	7.1	14607

NAVWEASERVCOM

WEATHER CONDITIONS ATMUSPHERIC PHENDMENA

DALLAS, TEXAS

93901 STATION

11-64

YEARS

ALL

DAYS WITH VARIOUS ATMOSPHERIC PHENDMENA FROM DAILY DBSERVATIONS PERCENTAGE UF

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	90	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AA	DAILY	3.1	34.7	7.1	7.9	2.	36.9	35.0	12.2	.2	6.	38.9	859
(C)		7,00	32.7	2.1	8	.5	34.6	29.3	8.9		2,8	35.2	819
AAK		12.8	34.7	60	2.4	3	35.2	26.2	12.6		4.3	34.5	80
APR		21.6	41.9		1.	1.4	41.9	24.4	14.5		80	34.2	856
Y W		23.5	38.9			2.0	38.9	18.9	18.2		9.	29.7	868
NO.		17.6	2 62			5	29.5	7.2	10.9			15.7	870
101		15.1	24.1				24.1	3.6	6.0		. 2	8.3	868
AUG		15.0	26.1				26.1	8.5	14.1		4.	18.2	899
a u		12.9	31.6				31.6	22,1	17.5			30.1	870
100		8.0	3 8 2			2	28.4	24.1	15.0		4.	30.4	669
NON		5.4	28.0	.2	1.9	4.	28.4	25.1	12.8		6.	31.1	849
DEC		3.0	31.3	1.7	3.0	7.	31.8	29.7	7.6	-	1,2	33.8	837
TOTALS		12.1	31.8	1.0	1.7	2	32.3	21.2	12,7	0.	1,2	28,3	10407

DALLAS, TEXAS

93901 STATION

STATION NAME

JAN 1973-DEC 1977

JANUARY

ALL HOURS (L.S.T.)

NO WEATHER	83.7	72.1	82.8	64.3	6.40	75.0	78.3	63.7	6.06	96.5	92.1	85.7	75.7	00	76.0	80.0		X	1020	82.3
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	1.5	1.6			2.7	8,3		5.9	2.0	1,2			5.4					X	19	1.5
ICE FOG GROUND FOG							6.3	7.0	1.0						1.0			7.2	0	
F0G	7.4	18.0	10.3	21.4	16.2	12.5	13.0	11.5	5.6	1.2	5.6	9.8	13.5	16.2	17.0	15.6		¥.	142	11.5
THUNDER												*		2.7	1.0			M	m	~
HAIL SMALL HAIL												10 4						M	~	•
GRAINS PELLETS SHOWERS	2.2	8.2													2.0	3.0			4,1	1.1
SLEET SHOWERS ICE CRYSTALS		1.6													2.0			M	3	100
FREEZING RAIN FREEZING DRIZZLE		4.9		14.3	2.7								2	2.7	2.0	201		M	16	1.3
DRIZZLE F	100	4.0	6.9	14.3	80	4.3	80	0.1	•				2.7	5.6	0.9	2.5		\ \ \ \	4	3.4
RAIN		1.6					2.2		-	1.2	2.6	4		2.7	3.0	3.0		7	17	3.
. V	4.4	60	6.9	14.3	21.6	0	2.2	1.9	•	1.2	5.3	4	8	2.7	0.4	2.2		7	4	3.5
WIND	z	NNR	M Z	ENE	ш	ESE	SE	SSE	S	SSW	SW	WSW	3	NZ X	w.z	MZZ	VARIABLE	CALM	TOTAL	% TOTAL

-

TOTAL NUMBER OF OBSERVATIONS

1,240

E

WEATHER

BLOWING SAND AND DUST

BLOWING

SMOKE

ICE FOG GROUND FOG

FOG

THUNDER

HAIL SMALL HAIL

SNOW GRAINS "PELLETS "SHOWERS

SLEET

SHOWERS

ICE

CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

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FEBRUARY JAN 1973-DEC 1977 DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

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CALM

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

15648 - 1644

93901 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL HOURS MONT JAN 1973-DEC 1977 DALLAS, TEXAS 93901 STATION

NO WEATHER	84.2	82.2	82.9	83.3	82.1	77.0	75.9	86.0	94.0	92.4	63.3	93.5	82.4	87.8	19.6	95.6		9.2	1075	86.7
SAND SAND AND DUST																		\bigvee		
BLOWING																		M		
SMOKE	1.0			3.6	3.0	4.1	1.3				4.2							M	10	œ.
ICE FOG GROUND FOG				2.8	1.5		1.3		4.	. 5		3.5						**	80	9.
F0G	4.0	6.7	8.6		0.6		20.3	10.5	3.1	4.5	89		3.9	2.4	5.6	6.4		7	69	6.9
THUNDER	5.0	2.2	8.0		7.5	4.1		7.	4.	1.5	4.2		2.0	6.4	11.1			M	25	2.0
HAIL SMALL HAIL																		M		
SNOW GRAINS "PELLETS "SHOWERS																		M		
SLEET "SHOWERS ICE CRYSTALS	1.0																	M	-	•
FREEZING RAIN FREEZING DRIZZLE	1.0																	M	-	•
DRIZZLE	3.0	4.6	2.9	2∙8		2.7		2.8	3.							1.2		M	-	1.2
RAIN	5.0	6.3	5.7	& .	7.5	12.2	3.8	2.8		1.5		3.2	2.0	2.4	7.4	1.2		X	4	3.6
N. A. N.	1.0	4.4	5.3	3.0	4.50	2.7		7.4	0					4.	1.9	1.2		M	20	1.6
WIND	z	NN	NE	ENE	Ш	ESE	SE	SSE	s	SSW	SW	WSW	3	WNW	N/Z	NNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

-

SO WELTHER JAN 68 6708 % FREQ. WIND DIR.

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

JAN 1973-DEC 1977

APRIL

NO	81.1	71.4	76.5	81.8	81.8	86.7	81.0	86.3	85.1	92.3	84.0	64.7	86.2	92.3	98.5	88.0		T.	1026	85.5
BLOWING SAND AND DUST												11,8						X	2	.2
BLOWING																		X		
SMOKE		7.1			1.5	0.8	6.3	3.3	2.6	1.5				1.9		2.7		X	46	2.8
ICE FOG GROUND FOG	3.8	7.1					8	6.	. 3					1.9		1.3			13	1.1
F0G	11.3	7.1	17.6	18.2	7.6	4.0	4.0	4.7	5.2		0.4	9.0	6.9	1.9		5.3		X	61	
THUNDER	20			4.5	1.5		0.4	6.	3.1		0.4	17.6		-		7.3		*	23	1.9
HAIL SMALL HAIL																		\bigvee		
SNOW "GRAINS "PELLETS "SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	w.	3.6					1.6	6.	S						4			\bigvee	9,	
RAIN	3.7	7.1	11.8	9.1	10.6	5	4.0	4.7	6.2	4.6	12.0	17.6	4.	1.9		6.7		X	6.5	5.4
RAIN	2.0	3.6		4.5	4.5		2.4	3.3		. 5			3.4	1.9				X	22	3.0
WIND	z	NNE	N M	ENE	Ш	ESE	SE	SSE	S	SSW	SW	WSW	×	www	NZ.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

THE STATE OF

DALLAS, TEXAS

JAN 1973-DEC 1977

ALL MAY

93901 STATION

866.88 887.9 867.9 993.9 993.9 867.9 867.9 1113 76.2 To the second BLOWING SAND AND DUST BLOWING 3.0 0112421 127 1.6 SMOKE 227 929 2.8 50 ICE FOG GROUND FOG 2.3 4 ---3 3 3 6 2 00 3.0 4 FOG 1000 400 X 2 50 00 63 THUNDER HAIL SMALL HAIL SNOW
GRAINS
PELLETS
SHOWERS SLEET
SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE . 1.0 X DRIZZLE 0 2 2 2 3 3 3 3 6 2 2 2 5 4000 X 51 4.1 RAIN 3 2 3 . RAIN WIND VARIABLE % TOTAL CALM TOTAL NNE ENE ESE SSE SSW WSW WNW N Z Z N M SE SW ×Z 3 z ш S

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TOTAL NUMBER OF OBSERVATIONS

1,240

BLOWING SAND AND DUST

BLOWING

SMOKE

GROUND FOG

FOG

THUNDER

HAIL SMALL HAIL

SNOW
" GRAINS
" PELLETS
" SHOWERS

SLEET

SHOWERS

ICE

CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL HOURS (L.S.T.)

UNE

JAN 1973-DEC 1977

DALLAS, TEXAS

93901 STATION

JAN 1973-DEC 1977 DALLAS, TEXAS 93901 STATION

ALL

NEATHER	73.1	76.5	72.7	75.0	83.5	88.2	93.8	96.8	97.3	97.3	8.96	100.0	84.6	81.8	100.0	81.3		22	1150	95.8
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	3.8	11.8	13.6	4.6	1.6	4.4	6.	.5	.3	2.1									29	2.3
ICE FOG GROUND FOG			4.5				1.8											X	•	
FoG		5.0				1.5	•											X	4	•
THUNDER	15.4		4.5	4	7.6	2.9		1.1					7.7	18,2		12.5		\bigvee	36	3.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET "SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE							•											\bigvee		
RAIN	23.1	5	9.1	5.6	8	2.9	2.1	7:1	2.1	۲.	3.2		7.7	18.2		12.5			4	3
A A I				~			0.	127					7.7					X	en.	3.
WIND	z	NNE	Ш	ENE	ш	ESE	SE	SSE	S	SSW	NS.	WSW	*	MZ M	×××	*ZZ	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,239

89 NAL PREG. WIND DIR. WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

DALLAS, TEXAS 93901 STATION

JAN 1973-DEC 1977

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ALL	HOURS
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NO	6.06	78.6	73.1	78.9	94.2	97.6	94.7	95.4	96.3	95.6	90.5	100.0	100.0	66.7	85.7	100.0		0	1169	1677	63.3
BLOWING SAND AND DUST																		\bigvee			
BLOWING																		\bigvee			
SMOKE	4.5	3.6	11.5	10.5	6.4	1.6	2.7	1.8	1.8	4.2	4.8							V A	6.7	2 4	3.4
ICE FOG GROUND FOG																		\bigvee			
F0G	4.5	7.1	11.5	133	1.0	80		0.						16.7				X	7.	*	1.1
THUNDER		3.6		5.3			0 %	0.		1.1								X		24	80
HAIL SMALL HAIL																		X			
SNOW "GRAINS "PELLETS "SHOWERS																					
SLEET " SHOWERS ICE CRYSTALS																		X			
FREEZING RAIN FREEZING DRIZZLE																		\bigvee			
ORIZZLE																		\bigvee		-	
RAIN	4	10.7	100	5.3	1.0		2.0	7.4	3.	2.1					14.3			No.	200	79	1.6
RAIN		7.1	6	as tes				E.	1.1		4			33,3				X		54	7.0
WIND	z	NNM	Ν ω	ENE	ш	ESE	SE	SSE	s	SSW	NS.	WSW	W	WNW	× Z	MNN	VARIABLE	CALM		TOTAL	% TOTAL

2

TOTAL NUMBER OF OBSERVATIONS

1,240

DALLAS, TEXAS

93901 STATION

JAN 1973-DEC 1977

ALL HOURS (L.S.T.)

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NO WEATHER	76.6	68.0	80.3	83.3	84.7	92.2	89.2	91.8	93.8	93.0	87.5	100.0	76.9	85.7	76.5	81.0		\$ **	1033	1036	86.0
BLOWING SAND AND DUST																		\bigvee			
BLOWING																		\bigvee			
SMOKE	4	0.4	3.3	0	6.9	2.6	3.2	3.7	2.1	2.3	6.3				11.8	6.3		V 4.6	0.7		4.1
ICE FOG GROUND FOG			4.9		1.4	2.6	2.2	1.5		2.3					8.8	1.6		\$ \$ \ \ \	23	4	1.8
F0G	10.5	0	3.3	4	6.9	5.0			1.0							4		\$ * X	4	2	60
THUNDER		0	3.6		œ ∾		1.1	2.		2	0		7.7						1.2	4	1.0
HAIL SMALL HAIL																		X			
SNOW GRAINS PELLETS SHOWERS																				-	
SLEET " SHOWERS ICE CRYSTALS																		X			
FREEZING RAIN FREEZING DRIZZLE																		\bigvee			
DRIZZLE	3.2															60		X	:	7 4	•
RAIN	4.0	10.7	1.6	2.4	~	5.6	2.2	2.2	2.6		6.3		15.4	7,1				X	34	-	2.8
RAIN	8	13.3	0.0	3	2		3.2		25	52			7.7	7.1	0.0	6.3			4		3.8
WIND	z	N N M	Ш	ENE	ш	ESE	SE	SSE	S	SSW	SW	wsw	*	×××	× Z	N Z Z	VARIABLE	CALM		TOTAL	% TOTAL

Budg

TOTAL NUMBER OF OBSERVATIONS

1,200

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STATION NAME DALLAS, TEXAS 93901 STATION

JAN 1973-DEC 1977

ALL HOURS (L.S.T.) DC TOBER

NO WEATHER	86.4	2.46	80.0	79.2	93.0	83.3	95.8	93.3	92.4	95.0	89.7	89.5	88.9	83.3	93.8	87.9			1111	89.6
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE			3.3		1.8	4.2	2.1	2.7	1.7		3.4		5.6	4.2				7	23	1.9
ICE FOG GROUND FOG						1.4		۲.					5.6	4.2	3.1			72	01	
F0G	00	2.6	13.03	12.5	50	2.8	2.1	2.7	8	2.5	6.9			60		3.0		X	30	4
THUNDER	1.9					2.8	1.0		3	1.3									80	9.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE							1.0									3.0		X	E 1	
RAIN	2.9	2.6		4.2		4.2	2.1	1.	1.7	1.	3.4	10.3		4.2	3.1	3.0		*	53	2.3
NA	10.7	2.6	10.0	00	1.8	4 . 2			2.1	2.8			5.6	8,3		6.1		7	42	3.4
WIND	z	NN	N M	ENE	ы	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MZ	MNN	VARIABLE	CALM	TOTAL	% TOTAL

=

TOTAL NUMBER OF OBSERVATIONS

1,240

DALLAS, TEXAS

93901 STATION

JAN 1973-DEC 1977

NOVEMBER

ALL HOURS (L.S.T.)

NO	81.9	80.5	0.06	87.5	72.7	16.1	87.0	92.0	0.46	6.86	95.0	4.46	82.9	88.1	93.6	88.1		\$ \	1069	89.1
BLOWING SAND AND DUST																		X		
BLOWING																		\bigvee		
SMOKE	2.4	6.4	5.0		3.0		2.9		1.0						1.3	2.4		\bigvee	15	1.3
ICE FOG GROUND FOG										1.1								X	2	~
500	11.0	12.2	10.01	12.5	12.1	16.3	8.7	4.4	3.0		2		2.9	0.9	2.6	7.1		0 ¥	76	6.3
THUNDER									s.			5.0	5.7						4	
HAIL SMALL HAIL																		X		
SNOW " GRAINS " PELLETS " SHOWERS	1.6														-	2.4		X	n	4.
SLEET SHOWERS ICE CRYSTALS																1.2				.1
FREEZING RAIN FREEZING DRIZZLE		4																X	-1	7.
DRIZZLE	2.4	2.4		6.3	3.0	5.5	4.	•								1.2		X	14	1.2
RAIN	3.1				3.0	2		2.0			2.5		80	0.6	1.3	1.2		() T	24	2.0
A N	1.6	2.4			9.1	N	£ . 4		2.0			9	100			1.2			23	1.9
WIND	z	NNE	NE	ENE	ш	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	NZ.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

JAN 1973-DEC 1977 DALLAS, TEXAS 93901 STATION

ALL

DECEMBER

WEATHER	91.3	75.9	50.0	33,3	65.7	67.6	85.0	406	93.8	99.1	4.46	0.79	91.4	88.0	90.06	86.1		No.	1104	89.0
BLOWING SAND AND DUST											2.8		1.7					M	2	2.
BLOWING																		\bigvee		
SMOKE	1.1	3.4	12,5	6.7	5.7	5.4	1.7		1.0				1.7		2.4				1.38	1.5
ICE FOG GROUND FOG								1.7	1.0					2.0				X	_	9.
F0G	4	10.3	31.3	53.3	20.0	27.0	13.3	4.2	2.9	6.			1.7	0.4	5.9	5.7		7	2	0.9
THUNDER								30						2.0				M	~	~
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS		4.																M		•
SLEET " SHOWERS ICE CRYSTALS														2.0				M	1	1.
FREEZING RAIN FREEZING DRIZZLE															1.2			X	a	•
DRIZZLE	60	3.4	12.5	26.7	5.7		6.7	2.5	1.0	E N				4.0	2.4	4.1		X	36	5.0
RAIN		3.4		6.7	8.6	5.4			1.0					2.0		œ.		M	12	1.0
NAIN	2.2	3.4	25.0	33.3	10.	3.4	3	1.7						2.0	4.7	9.9		X	36	2.7
WIND	z	NNE	N	ENE	ш	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	MZ	MNN	VARIABLE	CALM	TOTAL	% TOTAL

=

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL JAN 1973-DEC 1977 STATION NAME DALLAS, TEXAS 93901 STATION

NO	64.3	79.7	80.0	78.9	83.9	36.0	87.9	91.1	94.5	95.4	91.6	91.5	86.0	80.8	86.9	85.4		S S	12993	0.69
BLOWING SAND AND DUST												6.	9.					M	SU.	0.
BLOWING . SNOW																		\bigvee		
SMOKE	1.8	3.3	4.00	6.1	4.5	4.4	3.2	. 8	1.2	1.1	1.2		7.2	• 5	1.3	2.5			311	7 . 7
ICE FOG GROUND FOG		3.	1.2				1.0	. 5	. 5	. 3		6.	9.		1.0	. 5			86	
F0G	7.1	8.2	8.1	9.3	6.3	5.0	4.3	3.2	1.8	1.1	2.1	**	ec.	5.5	5.9	7.2		7	639	4.4
THUNDER	1.8	2.1	00	5.6	00	1.4	1.2	1.2	9.	9.	1.5	3.1	2.0	80	1.8	•			178	1.2
HAIL SMALL HAIL												*						X	~	•
SNOW GRAINS PELLETS SHOWERS	er.												•	•		•		M	56	
SLEET SHOWERS ICE CRYSTALS		.2												•	•			M	00	•
FREEZING RAIN FREEZING DRIZZLE		•		•	•								•	•	•	9.		M	19	•
DRIZZLE	2.4	2.	1.0	2.9	1.0	1.3	T .		•	50			•	1.3	1.6	2.0		X	149	1.0
SHOWERS	60	5.0	3	4	4	4.2	2		1.5	1.4	3.0	3.6	2.9	8.4	3.1	6			80	2.6
RAIN	en en	4.4	0.9	30	4.2	1.1	1.0	7.7	9.	9.	0,	o.	5.3	C4	2.3	3.0		X	286	2.0
WIND	z	NNN	ПN	ENE	ш	ESE	SE	SSE	S	SSW	NS.	wsw	×	WNW	N/N	NZ Z	VARIABLE	CALM	TOTAL	% TOTAL

I

TOTAL NUMBER OF OBSERVATIONS

14,607

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NAVWEASERVCOM

13648.1644

NWSD, Federal Building Asheville, N. C.

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOWFALL*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual may be misleading. ;

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. à

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT	Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT
From beginning of record thru 1945 Jan 46-May 57 Jun 57-present	From beginning of record thru Jun 52 Jul 52-May 57 Jun 57-present
Air Force Stations	U. S. Navy and Weather Bureau Stations

^{*} Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

CI

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION DALLASS TEXAS

45-77

YEA

	NO N	-						1						PEDCENT		ZOX	MONTHLY AMOUNTS	UNTS
	ONE	TRACE	5	.0205	0190.	.1125	.2650	.51.1.00	1.01.2.50	2.51-5.00	5.01-10.00	10.01.20.00	10.01-20.00 OVER 20.00		NO.		(INCHES)	
	-	TRACE	0.1.0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	4.5.10.4	10.5-15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	0 0 S	2	1984	16491
	NONE	TRACE	-	2	9	9.1	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS			GREGIES	
-0	64,0	14.2	1.6	5.3	3.5	4.5	4.3	1.9	80					21.9	196	1.67	4.02	.13
	0	10.2	2.7	4.5	3.4	4.7	20	2,2	. S.	-				23.8	875	2.06	5.40	60.
MAR	5	12.8	2.0	3.6	3.0	4.5	7.	3,1	1.4		.1			21.7	086	2.29	7.85	.14
APR	60	13,7	1.8	8. 4	3.5	5.1	0.4	5.0	4.0	3.				27.6	930	4.4013.	13.88	1.38
MAY	C3	11.3	2.4	5.4	1.7	4.5	w)	5.0	3.	. 7	•			6.97	992	1	4.3712.48	.62
NOT	1.64	9.5		3.5	2.0	2.7	3.1	3.9	2.6	4.				19.5	096	2.84	8.19	.02
JUL	0.	2,2	0,	60	n ,~	3.0	3.6	1.9	1.7	1.	•			15.9	992	2.11	\$. 3	.02
AUG	6.4	2.0	on .	3.5	2.2	3.0	2.3	2.5	.5	. 2	. 2			16.3	992	2.45	9.08	.02
SEP	0,1	0.6	0.	3.5	1.9	0.4	85 19	6.0	2.3	5.				50.9	960	3.11	6.9278	TRACE
100	2.2	6.6	1.4	3,1	1.7	3.0	rs rs	2.6	3.5	3.				17.9	1023	3.19	69.8	.02
YON	2.6	9.0	4	2.7	2.0	3.4	3.3	2.2	2.3	2.				17.6	960	2.37	9.65	.27
DEC 6	0.69	12.4	2.0	w.	2.2	3.0	2.4	3,2	1.1	2				18.6	266	1.91	6.46	.09
ANNUAL	68.5	10.8	1.6	3.9	2.2	3.9	3.6	3,3	2.1		0 .			20.7	1156732,77	32.77	X	X

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

DALLAS. TEXAS STATION

YEARS

						YW	AMOUNTS (INCHES)	ACHES)						TAPORA		NOW	MONTHLY AMOUNTS	UNTS
PRECIP.	NONE	TRACE	6	.0205	0190.	.1125	.2650	.51.1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	4.0.1.0	4.1.5.0	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	0 oF	3		1
SNOW.	NONE	TRACE	-	2	3	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS		NC 3M	GREATES	100
NAL	92.7	5.0	.7	4.	4.	4,0	;(*	1 .	. 1					2.3	1961	1.5	10.4	0.
89	0.66	0.0	. 7		.2	2.								2.1	875	.7	5.0	0.
MAR	97.5	2.0		(40)										.5	992	.2	1.8	0.
APR	66.66														870	FRACE	STOTRACETRACE	0.
MAY	0.001														961	0.	0.	
N N	100.0														0.50	0.	0.	0.
JUL	100.0														961	0.	0.	• 0
AUG	100.0														992	0.	0.	0.
SEP	100.0														006	0.	0.	0.
100	100.0														992	0.	0.	0.
NON	28.4	1.4						6						2.	960	.2	5.5	•
DEC	97.1	2.3	8.	. 1	~.	. 1								9.	365	.2	2.8	•
ANNUAL	9.66	1.1	. 1	. 1		. 1	0.	0.	0.					.5	11386	2.8	X	X

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

45-77	YEARS
DALLAS, YEXAS	STATION NAME
93901	STATION

						AM	AMOUNTS (INCHES)	4CHES)						1430		20	STALLOWA VIHENCE	2121
PRECIP.	NONE	TRACE	10.	.0205	0190.	.1125	.2650	.51.1.00	1.01.2.50	2.51-5.00	5.01.10.00	10.01.20.00	5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	4.0.1.0	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5.15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	9 6			
SNOW.	NON	TRACE	-	2	3	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS		MEAN	GREATEST	LEAST
NAL	6,46	2.6	. 7	6,	2	.						*		2.4	868			
8	97.1	6.	65	7.	.2									2.1	819			
MAR	6.66	4.	N.											• 2	668			
APR	100.0														340			
MAY	100.0														899			
N N	100,0														870			
ını	100.0														868			
AUG	100.0														899			
SEP	100.0			-											870			
00	100.0														930			
Š	7.66	,-d		9rd 2	*									.2	870			
DEC	98.7	1.1		.2										. 2	899			
ANNUAL	7.66	4,	.2	. 1	0.	0.						0.		4.	.4 10531		X	X

FROM DALLY OBSERVATIONS

24 HOUR AMOUNTS IN INCHES

YEARS

DALLAS, TEXAS

93901 STATION

EAR	JAN.	FB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
* (C)				3	4	23	AC.	.65	.80	1.87			
46	14.	1.37			2.00		-	3.00		1.12	3.87	1.50	
47	. 22	58	-	4	10.		0		1.60	5.04			
85	09.		60		1.41	, •	15.7		•	.51		•	
64		~			3.94	123	200	-		2,42	500		
S .		2.33	1.40	1.11	20.2	1.63	1.10	2.46	2.66	.31	(A)	80.	2.66
21	•	0	**	9.	96.	0	13	8		1.08	. 50	80.	0.
52	.63		•	5	€00 600 600		*	0	.26	.11	2.43	1.10	20
3	. 41	.33	240	-	1.29		-	8		1.70	96.		-
24	.51		4	-	2.12	1.44	-	~	1.03	1.52	1.26	.57	
35	. 38	.77	0	0	2.06		0	O		77.	.27	1	
36	.92	00		4	3.76		-	N	40	53	2.10	1.21	
2	69.	. 34·	0	0.	4.13	633	14	0		1.48	1.98		0
58	1.06	60		4	1.09		4	63		.05	1.34	10	4
20	. DB		2.22	0	2.41	1.39	123	-		4.22	1.20	3.	2.
0.0	1.36	-			.62		26	-	1.62	1.95	9.	273	-
61		- 82	C	-	*	1.49	3	103		3.02	1.64	5	0
62	.29	.57			.71		0	N		1.29	1.15	0	2
63		60.		~	1.18		4	-		.03	.63	-	3.
99	1.00	64.		30	0	. •	3	-	. 33	.11	2.03	3	0
6.00	. 20		. 7		4.03		4	8		76.	1.70	000	0
99	.61	2.72	1.72	2.14	15	1.46	6.3	643		1.58	. 26	.35	2.7
67	.17				1.14	0	14.	C	•	1.28	84.	C	3.
68	.71		18	4.	1.51	04	0	-		48.	1.74	0.00	7
6.0	1.24	0	3	0	4.11	. 25	0	-		3.19	. 28	-	-
70	44.		10	-	00.	10.	123	N	20.2	.92	31	-	0
7.1	. 23		4		1.50	. 52	2	-		28.2	. 65	000	
72	.32		.11	0	4	4	0	•		1.99		-	0
13	1.17	1.06	50		19.		0	-		2.23	• 68	100	
74	96.		.20	C	4 . 78	3.33	-	-	1.92	2.27		. 79	
MEAN									fl .				
S. D.													

PRECIPITATION

45-77

STATION NAME

DALLAS, TEXAS

93901 STATION

YEARS

24 HOUR AMOUNTS IN INCHES

MONTHS		2.80	3.10	1.056	11567
DEC.	1.44	Pa	885	.673	766
NOV.	. 85		1.07	. 788	096
OCT.	1,39	5 to 8	1.044	1.018	1023
SEP.	3.06		1.43	604.	960
AUG.	6.5	26.5	1.38	1.712	266
JUL.	5.68	02.1	1.05	1.094	266
JON.	0.00	62.	1.17	596.	096
MAY	1.92	%	1.95	1.544	266
APR.	3.26	1.78	1.65	.982	630
MAR.	96.	2.16	1.08	096	086
.	2.17	1.28	16.	.681	878
JAN.	1.43	3.	1,0	. 519	961
YEAR	7.5		X	S. D.	TOTAL OBS.

.

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

/BASED ON LESS THAN FULL MONTHS/

45-77

DALLAS, TEXAS

93901 STATION

JUN. JUL.			2.15	TAACE							
APR. MAY				.24	295	1.67					
MAR.	4.80	3.01		28	30 25						
FEB.				2.93	4.46						

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168161

SNOW FALL

24 HOUR AMOUNTS IN INCHES

DALLAS, TEXAS

93901 STATION

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	.100	NOV	DEC.	ALL
4.5					0.		0.	0.		0.	0.	TRACE	
94	TRACE	TRACE			•	0	0.			0.	0.	2.8	
2.4	TRACE	1		0.	0.		0.	0.	0.	2.	0.	TRACE	1.6
4	0.6		TRACE					0			0.	0.	
64		•	•		0.	0.	0.	0.	0.	•	0.	CZ.	
20	7.	0.	TRACE	0	0.	0	0.	0	0.	0.	0.	TRACE	•
	1.6	3.5	•	0.	0.	0.	0.	0.	0.	•	U	0.	3.6
35		TRACE	0.	0.	0.	0.	0.	0.	0.	0.	RAC	0.	TRACE
23	7.2	-	•	0.	0.		0.	0.	0.	•	0.	0.	2.1
3,0	TRACE		00	0	0.	0	0.	0.	0.	0.	0	1.0	
55	0	TRACE	•	0.	0.	0.	0.	0.	0.	•	TRACE		
26			0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.0
57	TRACE		•	TRACE	0	0.	0.	0.	0.	•	7.	0.	•
20	TRACE	1.0	0.	0.	0	0.	0.	0.	0.	0.	0.	1.5	1.
20	TRACE	23	•	0.	0.	0	0.	0.	0.	•	RACE	KAC	2.
09	TRACE	1.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	TRACE	-
19	1.3		•	0.	0.	0.	0.	0.	0.	0.	•	0.	3.
29	2.7	N CE	3.1	0.	0.	0.	0.	•	0.	0.	•	0.	2.
o o	TRACE	TRACE	-	0.	0.	0.	0.	0	0.	0.	0.	•	•
99	10.0		TRAC		0.	0.	0.	0.	0.	•	•	TRACE	10.
63	0	TRAC	TRAC	0.	0.	0	0.	0.	0.	0.	0.	0.	TRACE
99	3.3		•	0.	•	0.	0.	•	0.	0.	0.	TRACE	3.
67	0.		•	0.	0.	0.	0.	0.	0.	0.	•	TRACE	TRACE
99	-4		TRACE		0.	0.	0.	0.	•	0.	TRACE	0.	1.
69	0.	TRA	•	0.	0.	0.	0.	•	0.	0.	-	TRACE	TRACE
20	TRACE		•	•	•	0	0.	0.	0.	0.	TRACE	0.	•
17	0.	1	1.0	0.	0.	0.	0.	0.	0.	0.		TRACE	0.1
72	4.		0.	0.	0.	0.	0.	0	0.	0.	TRACE	7.	•
7.3	3.0	TRACE		0.	0.	0	0.	0	0.	0.	0.	TRACE	3.0
74	4		0.	0.	0.	0.	0.	0.	0.	0.		0.	
MEAN													
S. D.													
TOTAL OBS.													

SNOWFALL

24 MOUR AMOUNTS IN INCHES

YEARS

45-77

DALLAS, TEXAS

93901 STATION

ALL		4.4							1.94	2,220	11386
DEC.	TRACE.	0.							.18	. 573	992
NOV	0.0	0.							.18	.972	096
OCT.	00	0.							00.	0000	266
SEP.	00	0.							00.	0000	006
¥uG.	00	0.							.00	0000	766
JUL.	0.	0.							00.	0000	196
ž.	00	•							00.	0000	930
MAY	0	•							00.	0000	961
APR.	0,0	0.							TRACE	000.	870
MAR.	TRACE	0.							.18	0440	266
FEB.	00	0.							99.	1.205	875
, AN.	TRACE.	4.4							1,23	2.191	196
YEAR	75	11							MEAN	S. D.	TOTAL OBS.

SNOWFALL
FROM DAILY OBSERVATIONS

ZA HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/ 45-77

DALLAS, TEXAS

93901 STATION

YEARS

ALL	SNOFALL	SNUFALL	SAUFALL	SNUFALL	SNUFALL	SNOFALL							
DEC.													
NO N					RACE								
OCT.			c										
SEP.			0,0										
AUG.		2.0											
JUL.			0										
NO.	c		0										
MAY			0.2			30.0							
APR.	c	29.0	°	29.0									
MAR.	c												
F. 8.			28.0										
JAN.				3.0									
YEAR	45	9*	949	64	74	7.5					MEAN	S. D.	TOTAL OBS.

SNOW DEPTH

CALLAS, TEXAS

93901 STATION

DAILY SNOW DEPTH IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	, NOT	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
4.5					0								
9			0								0		
2 4						a				0		0	
0					0	0	0	9	0	0	0		
0	TRACE	0	TRACE	0	0	0	0	0	0	0	0	TRACE	TRACE
-9	~	6		0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0		0
3	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
*		0	TRACE	0	0	0	0	0	0	0	0	TRAC	-
55	0	0		0	0		0	0	0	0	0		
9	30	~		0	0	0	0	0	0	0	0		10
1	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
00	0			0	0	0	0	0	0	0	0		~
0	TRACE			0	0	0	0	0	0	0	0		~
0	TRACE	TRAC		0	0	0	0	0	0	0	0		TRACE
	6			0	0	0	0	9	0	0	0		•
~	~	0		0	0	0	0	0	0	0	0		~
~	TRACE			0	0	0	0	0	0	0	0		2
	70	TRAC		0	0	0	0	0	0	0	٥	TRAC	20
5	0			0	0	0	0	0	0	0	0		0
\$	~	~		0	0	0	0	0	0	0	0		~
2	0	0		0	0	0	0	9	0	0	0		0
co	-			0	٥	0	0	0	0	0	0		-
6	0	0		0	0	0	0	0	0	0	0		0
0	0	0	TRACE	0	0	0	0	0	0	0	0		TRACE
	0	-		0	0	0	0	0	0	0	0		1
2	TRACE	0	0	0	0	0	0	0	0	0	0	TRAC	TRACE
100	4	0		0	0	0	0	0	0	0	0	0	3
4	0	0		0	0	0	0	0	0	0		0	
MEAN													
S. D.													
TOTAL ORS													

SNOW DEPTH

FROM DAILY OBSERVATIONS

DAILY SNOW DEPTH IN INCHES

45-77

DALLAS, TEXAS

93901 STATION

THACE TH	YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NO N	DEC.	ALL
4 TRACE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		00			00	0	00	0	00	00	00	O M	0	
1. 5. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		4	1		0	0	0	0	0	0	0	0	0	4
2														
3. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
2. 4. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
3. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.														
1 916, 000, 000, 000, 000, 000, 000, 000, 0														
3.4 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1														
3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
1. 1. 0. 0. 0. 0. 0. 0. 0. 0. 1. 0. 4.5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.														
1. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
3.4 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0														
3.4 .9 0. 0. 0. 0. 0. 0. 0. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
13. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.														
1 010. Tee. 000. 000. 000. 000. 000. 000. 452. 584. 441.61	11	3.4		-	0	0	0	0.	0	0.	0	7	-	4.2
	1	13.144	•	4624	0000	000	0000	0000	0000	0000	0000	156.	016.	14,076

•

SNOW DEPTH

45-77

DALLAS, TEXAS

STATION

/BASED ON LESS THAN FULL MONTHS/

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ALL
45			c	c		c	0	0	0	c	c	c	SNO DPTH
94	•	•		•	6	0.	0 08	•	0_	0		c	SAG DPTH
4.7	0	0	0	0	0 1	4	0	0_	. 0		0	0	SAU DPT
8.	0	0	0 1	0	0 %	0	0	0	0 m	0	0 %		SNO DPTH
64	E 62			290									SNO DPTH DAYS
10						0 60							SNO DPTH
74											200		SND DPTH
75					30.0								SNO DPTH DAYS
MEAN													
S. D.													
OTAL OBS.													

NAVWEASERVCOM

524 DAILY AMOUNTS MAR 3978

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

JANUAKY

1946-1977

DAILY EXTREME AMOUNTS

YEARS

MONTH

	PRE	PRECIPITATION GREATEST	Z	8 8	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-	2.31	59	1950			
2	1	9	1977	6.0	23	1956
3	1	20	1960*	4.0	10	1956
4	1.37	35	1946			
5	0.82	21	1961	0.0	1.5	1961
9	0.62	16	1961	3.5	81	1961
7	1.06	27	1973	7.0	25	1971
80	1901	41	1965			
6	2.72	69	1966			
10	0.33	200	1953			
11	1.28	33	1977	0.1	25	1958
12	1.31	33	1950	0.3	œ	1958
13	0.40	1.69	1946	0.0	œ	1981
14	1.50	38	6961	3.2	81	1951
15	0.71	18	1952	4.0	10	1881
16	0.65	17	1965	-		#E96T
17	0.55	14	1976	•	_	1973*
18	0.34	6	1951			
19	65.0	15	1955	2.1	53	1959
20	0.38	10	1651	0.1	en	1964
21	06.0	23	1974	-	-	19714
22	0.33	6	1973	1.0	25	1966
23	2.27	58	6961	5.0	127	1975
24	1.46	37	1970	2	38	1960
25	0.95	24	1948			
26	0.53	13	1966			
27	69.0	18	1970			
28	0.53	13	1968	-		*1261
29	0.14	5	1960			
30						
31						
Monthly	2 73	9	1006	4		1076

MARR

		*	女	安		*	益						*								*		簽	4		茶							
	DATE	2261	161	5661	1972	1970	19734	1973	1968	1962	1973	1973	1975			1964	1964	1966	5	1948	1963	9961	9961	1974	*	1973	1963	1961	1948	1681		1951	1964
SNOWFALL	MM	7	1	7	10	-	-	-	33	69	25	16	1			10	254	10		76	-	84	3	1	48	1	1	3		33	112	41	254
SNC	INCHES	-	1	-	4.0	-	•	-	1.3	2.7	1.0		•			4.0	10.0	5.0	5.0	3.0	٠	5.3	0.2	-	1.99	+	+	0.2		1.3	4.4	1.0	10.0
Z	DATE	1972	1965	1952	1957	1960	1961	1961	1946	1955	1974	1973	1958	1961	1946	1954	1964	1956	1956	1958	1948	1965	6561	1953	1949	1973	1948	1949	1968	1969	1964	1950	1949
PRECIPITATION GREATEST	MM	co	13	1.7	6	35	\$	64	12	22	25	න	27	35	6	13	25	*	23	1,4	15	2.1	6	10	113	30	8	10	18		22		113
PRE	INCHES	0.32	0.51	69.0	0.37	1,36	0.33	1.91	94.0	0.88	86.0	0.30	1.06	1.37	0.37	0.51	1.00	0,15	0.92	0,56	09.0	0,83	0.37	0.41	94.4	1.17	0.30	0,40	0.71	1.24	0,85	2,18	95.4
>		-	2	3	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly

• ALSO ON EARLIER YEARS T - TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

STATION

APRIL

1957

100

1957

116 1957

99.4

Monthly

DAILY EXTREME AMOUNTS

1945-1977

YEARS

DATE

SNOWFA	MM			
รง	INCHES			
z	DATE	1945	1956	1957
PRECIPITATION GREATEST	MM	23	5	36
PRE	INCHES	0.92	61.0	1.40
	7	-	2	_

DATE

MM

INCHES

DATE

MM

INCHES

DAY

SNOWFALL

PRECIPITATION GREATEST

1971 1971

1954 1954 1947

> 9.0 1.6

31 1977

1.24

SNOWFALL	MM																														
ร	INCHES												-																		
z	DATE	1945	1956	1957	1962	1964	19754	1975	1958	1955	1962	1954	1954	1958	1977	1977	1950	1971	1976	1976	1977	1952	1952	1953	1957	1966	1957	1972	1963	1956	1954
PRECIPITATION GREATEST	MM	23	2	36	24	17	0	19	20	26	20	36	21	27	23	34	22	38	42	83	45	61	79	54	33	54	118	53	83	36	45
PRE	INCHES	0.92		1.40	76.0	99.0	0.23		08.0				0.84	1.06	0.92	1.34	0.88	1.51	1.64	3.26	1.78	2.40	8	2,13	2	2.14	4.66		2	1.40	1.79
	DAY	-	2	3	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29	30

1976# 1970*

36 1950

1,40

12 13 14 15 16 17

0.91

0,43

2.00

1962

1965

1964

0.52

18

19 20

1964

41

9 1957 32 1964 33 1959

0.35

9 7 œ

1.85

10 1

6

18 1958

1948

18 1970	1968 T			T 1965				T 1975			46 1962
0.7	1			1				•			1.00
1949	1958	1969	1976	1946	1975	1977	1966	1948	1945	1957	1977
10	17	16	20	18	5.4	131	44	122	27	6.8	131
0.10	99.0	0.64	0.77	0.71	96.0	5.16	1.72	4.80	1.06	1,90	5.16
21	22	23	24	25	26	27	28	29	30	31	Monthly

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

7

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION 10666

DALLAS, TEXAS STATION NAME

MARCH

85 1974

44 1955

1955

1.28

16.0 06.0 3.33

2

9

1945

1975

0.34 1,85

10 1

1.41

ω 6 1945

27 4 7

12

1945

1.07 1.44 1.49 16 2.15 1,63

14

13

15

16

1974

23 1961

1954

18

19 20

17

200

55 1947

1950 35 1959

14

21

22 23

39 1948

1.54 1,39

16.0 1.53 1.15 0.05

24

25 26 27

39 1949 29 1948 1962 1948 27 1950 1973

4.38

Monthly

1.07

29

30

0.87

28

Monthly

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

10666 STATION

DALLAS, TEXAS STATION NAME

1945-1977

YEARS

MONTH

DAILY EXTREME AMOUNTS

	PRE	PRECIPITATION GREATEST	Z	SO	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DAT
-	44.0	1	1973			
2	3.09	78	1991			
3	4.38	111	1973			

		DATE																															
	SNOWFALL	MM																															
ТН	SNO	INCHES																															
MAY	z	DATE	1956	1958	1946	6961	1974	1969		1964	1951	1968	1948	1957	1968	1974	1965	1955	1949	1952	1955	1955	1945	1946	1957	1959	1957	6561	1971	1962	1946	1976	1946
	PRECIPITATION GREATEST	MM	96	26	60	6	121	104	2.1	14	25	102	36	50	30	39	47	37	151	11	52		16	17	105	2.7	28	30	300	80	127	94	30
	PREC	INCHES	3.76	1.09	0.32	0.10	4.78	4.11	96.0	.55	86.0	4.03	1941	177		3.52	1.85	1.46	2.94	0.42	2,06	1.27	0,62		4.13	0	1.11	1.17	1,50	0.71	5,00	1.82	1,17
		DAY										10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

1975 0.04

30 1964

1964

1953

2.08

11

10

6

ω

0.82 3.12 1.19

12

14 15 16 17 18

13

1968

27

1974 53 1955

1.27

19 20

5,90 2,19

> 21 22

0.99

46.0

23

1.16 96.0

24 25

1.90

76 1945

43 1968

1.69

56 27

8.00 3.00 2.48

28

17 1974

0.68

30 31

29

8.00

Monthly

1970 203 1947

63 1950

DAILY EXTREME AMOUNTS

1945-1977

STATION NAME

DALLAS, TEXAS

MONTH

YEARS

AUGUST

45	H	-	-		-
SNOWFALL	MM				
S	INCHES				
2	DATE	1977	1962	1962	
PRECIPITATION GREATEST	MM	35	58	5	
PRE G	INCHES	0.21	2.27	0.21	-
	DAY	-	2	3	

DATE

13 1909

0.51 0.26 0.39 1.12

9

1965 1974

DAY	PRE	GREATEST GREATEST MM	DATE	SNG	SNOWFALL	VFALL ATEST
-	1.32	34	1967	200		
2	50	14	1948			
3	0,15	*	1961			
4		41	1945			
5	3.49	89	1958			
9	0.56	14	1958			
	1.27	32	1973			
8	0.46	12	1968			
	1	-	1977#			
10	0.92	23	*			
11	1.84	43	1973			
12	1.03	56	1972			
13	1.35	34	1967			
14	1.044	37	1963			
15	0,45	11	1955			
16	1001	41	1955			
17	0.94	54	1966			
	0.77	20	1953			
19	0.57	14	1960			
20	0,46	13	1968			
	0.31	œ	1977			
22	0.45	11	1961			
23	0,56	14				
24	1.47					
25	5.68	144				
26	1.55	39	1962			
27	1,67	42	1962			
28	1.72	77	1973			
53	0,82	2.1	1975			
30	0.37	6	1973			
31	0,32	03				
Monthly	5.08	144	1975			1

* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

12505 11081

93901 STATION

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

STATION NAME

SEPTEMBER

DATE

MM

INCHES

DATE

MM

DAY

1970

52

3.06

1976

656

1950 1973 1973 1962

40

0.84 1.58

1.53

4 S 9 1949 1960

\$ 00 00 W

1.10 0.19

1.82

SNOWFALL

PRECIPITATION GREATEST

1945-1977

YEARS

OCTUBER MONTH

	PRE	PRECIPITATION GREATEST	NO	8.0	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DAT
-	4.22	107	1959			
2	3.02	77	1961			
3	2 8 8 2	72	1971			
4	2.55	65	1959			
5	0.27	7	1973			
9	0.21	3	1973			
7	0.91	23	1961			
8	2.04	52	1947			
6	1.15	58	1961			
10	2.08	53	1977			
11	2.23	57	1973			
12		81	1909			
13		50	1960			
14	1.79	45	1974			
15	1,28	33	1961			
16	0.36	6	1948			
17	1.12	28	1946			
18	1.97	50	1971			
19	2.43	62	1971			
20	10.0		1971			
21	1,83	46	1972			
22	1.14	29	1977			
23	1,18	30	1953			
24	2,42	61	1949			
25	1.70	43	1953			
26	1.99	51	1972			
27	0.85	22	6961			
28	1.29	33	1962			
29	1.39	35	1976			
30	1.72	44	~			
31	2.27	58	78.61			
Monthly	4.22	107	1959			

1967

37

1.45

14 15 16 11 18 19 20

1967 1970

23

4 1

1,62

1970

1961

4

1.60

0,35

13

41

1.60

10 1 12

6

 ∞

1974 1947 1965

202

0.30 2.78 3.78

1974

1958

1965 1969 1960 1955

6 6

202

20.2

1.62

24 25

23

09.0 3,16 98. 0,86

> 26 27

08.0

22

21

41

1974

1964

6561

28

29

1973

1954 1954 1965

96

3.78

Monthly

31

30

DIRNAVOCEANMET-SMOS

)

197

100

* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

93901 STATION

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93901 STATION

1911

DALLAS, TEXAS STATION NAME

MOVEMBER

1945-1977

YEARS

DECEMBER

	PRE	PRECIPITATION GREATEST	NC.	SO	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-	64.0	-	1958			
2		23				
3	0.71		1947			
4		1	1651			
2	16.0	25	1971	+		1950
6	1,82	46	1960	•	_	6961
7		31	1960			
8	98.0	22	1971			
6	2.82	72	1971			
10	1.50	38	1946	0.1	2	1972
1	1.35	34	9561			
12	0.19	5	1949	0.1	3	1963
13	0.12	3	0	•	-	1963*
14	2.76	70	1948	۰	-	19714
15	1.42	36	6661			
16	0.35	6	1961			
17	0.27	7	6561			
18	1.21	31	1956	1		1964
19	16.0	25	1956	-	1	1973
20	26.0	25	1962	1	-	1963
21	06.0	8	1968	1		1963
22	0.30	60	1963	0.3	8	1963
23	10.0	2	1973			
24	1.44	37	1.6	1	-	1975
25		12	5	٠	-	1975
26	0.21	5	1959			
27	58.0	6	0	1		1961
28	29.0	17	1969	1.0	25	1954
29	22.0	20	1969	-		1969
30	96.0	24	1952	ها. ا	38	1958
31		22	1959		7.1	1946
Monthly	282	7.2	1671	2.8	7.1	1946

*926

1976

140

5.5

1958

1958

1948

0 34

> 0.09 2,43 1.05

15

16 17

1947

4

1,70

1972

1968

1972*

1957

2,10 0.04 69.0

> 2 9 1 œ 6

4

1957

15

•

1974 1949

1,32

10 1 12 13 14

1945

244

1977

0.81

1962

60

DATE

M

INCHES

DATE

MM

INCHES

DAY

1946

3,57

SNOWFALL

PRECIPITATION GREATEST

951

黄 语

19714

1972

1961

0,68 1.64

21

19 20

18

42 1961

4 6	700	42	42 1961	+	-	1971*
40	60	53	1952	•	-	1957
1	,31	33	1952			
	.15	56	1962			
0	984	21	1958			
0	04.	10	1961	-	-	*9261
C	.35	6	1977	-	-	1974
0	09.	15	1968	•	_	1955
Monthly	.51	16	91 1946	5,5	140	1976

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NWSD, Federal Suilding

Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is period. Every month of a year must have valid observations present before the ALL MONTHS value is selected column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any .;

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. 5

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal greater than 200 feet. ò

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SURFACE WINDS

DAILY PEAK GUSTS IN KNUTS

YEARS

45-77

STATION NAME

DALLAS, TEXAS

93901 STATION

YEAR	NAL	7	FEB.	MAR			MAY		JUL.	AUG.		SEP. OC	+ 1	٥٧.	DEC.	MONTHS	H.
500			•	1	0 0	M	200	3 7	75	44ESE	37	1 2 2 2 2 2 4 2 2 4 2 4 4 4 4 4 4 4 4 4		NMOV M	B C		
0 1	0	200	* * *	*	7	0 2	7 1	400	OF THE	300	200	2		2	0		
- 69	2	V			v	y	Z	000	1	L L	3 20	NIE		6 9	47		
	S	99			5	37NN	U	*	122	35 K	505W	40NNW		W 3655	3		
20	S	PENNE	W 435	SE	85SE	SZNW	7055	u	111	SE	3356	SONNE					
	SE	755	425	4	100	485E	10	9		30	42.SE	4655W	1.	6	47	SE	-
52	2	SABE	10 4 N	3	14	M 94	2.0	60		Z	35NE	38NNE	•	32	545	x	52
	X Z	308	405		2555	454	in	5.63		SE	524	4 3 MN	-	325	123	2	2
	3 2 3	SW S	7	BN	S	55	50	435		SE	56SE	455	•			30	26
35	NNN	200	3	1	489	55	3955 W	E		ESE	30SE	368	1	4.3			
26	Z	3 DA		KNA	3	in	403	372		N	62NNE	265		~	34	3	62
37	3	42NN	3	M	ONE	218	10			NNE	32N	40MS		37	3		
20	323	445	5258		3	S	E 4055	3	LES	MSS.	316	30			4		
66	32	C	4	3	6	in	41NE	5	2	2	75						
09			5	9	200	:0	1 54S	4.1					SS	ens LLI	3		
61		Z	35	-	100	-	465	4	NNW 32	SE	31ESE	25	3	*	100		
52	ZZE	00	.5	NS.	SENE	804	405				32		-		N	o francis	
63		328			1	41	35 14	36	112	*	230	30	25	4		5	
39	ESE	MNME 5	30		100	:0	395	EU EU		N S M	MSS6E	SZNZ	26	E 3	5	S	4
69	3.50	STAN	a		100	12	35	35	1.12	323	40 SE	335	35	1		2	
99	3	35%	38		MN91	365	6	35		S	SON	SON	9	er.	35	*	52
10	n	NON	338		15	33.5	33	38	1	35 M	33N	33	103	3		Z	3
89	s	33N	BUNN	u	30	3755₩	96	35		w	44ENE	2	-	en	4	u	4
69	7.	NAGE	30k	3	38.5E	37 N	-	3.7		Z Z	32NE	34	ON	4	2	R	36
70	S	328	35		BUNE	30×N	3	34		SE	30E	33	30	6	1	S	38
11	S	3528	376	1	135	3421	3910	36		18	2192	23	10	3		27	2
72	20	N	313	0	1220	3114	2632	36	36 38	14	5630	5	0	\$	4	14	2
13	77	4528	367	-	515	3631	3927	5		11	2033	3	-	-	3	27	n
14	6.	-	481	20	415	4122	3732	57		3136	3136	21	CO		~	32	5
MEAN																	
S. D.																	
TOTAL OBS.		-															

100

EXTREME VALUES

SURFACE WINDS

DAILY PEAK GUSTS IN KNUTS

45-77

DALLAS, TEXAS

93901 STATION

			 	 			 				_
MONTHS									51.1	9.890	10513
DEC.		ne							37.9	7.810	068
NOV.									37.6	0.127	999
0	15 4418									365.6	863
E	9 2834								35.7	9.440	998
7	19 2916								37.5	0.056	868
JUL.	3305	33 45							37.4	8.08010.056	917
J.	1 35								43.4	3.130	895
MAY	mo	<i>m</i>							43.0	1.0441	915
APR.	8 29	31							42.0	7.9311	925
*	4 33 33								44.2	1.012	922
FEB.	8 2514								39.3	6.6751	702
JAN.	34 331								41.1	10.019	653
YEAR		-							MEAN	S. D.	TOTAL OBS.

100

SURFACE WINDS

FROM DAILY OBSERVATIONS

DALLAS, TEXAS

93901 STATION

45-77

/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

\$ 1 4 5 6 7 83 6 7				ATK.		יאמר	.101		SEP.	000	NON	DEC.	MONTHS
64						1 43			3				SONIM
24 64						ec.			23				DAYS
3 5	Z	20	ENE A O								34	74 47	SONIM
m 6.		21	53								57	56	DAYS
64	S		05 MSS		200								SOULE
64			92		23								DAYS
	S	64	-30										SONIM
		22	53										DAYS
20											NNW 45SE		SONI
											7.	54	DAYS
57						4							SOZIE
						52							DAYS
53											35		SONIM
										0	52		DAYS
o's			2	NNE 43					34				SONIM
				17					17	0	0	0	DAYS
09	Z	TE MNN				S	ST TEN			* * * * * *			SONIA
	0	m					23	0	0	54			DAYS
NN.	7.									NNE 3			SONIX
+	1 3	100					1			2			DAYS
20	Z _	9 6				0_	SE SONE	1 N N N N N N N N N N N N N N N N N N N					SOZIZ
7.6	+	4.7			67 6		03	0					2000
`					21.								2000
76 32	4028	24 8		6 47	14 50			2 40					MINDS
	23	22		20	50			~					DAYS
77 34	34	**				1		5 10	23 3	06 603			SONIA
	75	20				5		21	11	23			DAYS
MEAN	-												
S. D.													
TOTAL OBS.													

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

00 HOURS (1.5.T.)

SAN

MEAN WIND SPEED	9.2	8.7	3.7		5.0	0.9	2.7	8.1	8.6	9.4	2.7	2.0	6.5	5.3	10.6	6.9			5.8
*	11.6	1.9	6.1		2.6	9.	1.9	5.8	17.4	0.6	3.9	9.	3.9	3.9	5.2	12.3		18.1	100.0
85																		\bigvee	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 . 27															9.			\bigvee	9.
17 - 21	9.								1.3						3.			\bigvee	5.6
11 - 16	3.9	9.						1.3	3.9						9.	2.6		\bigvee	14.2
7 - 10	3.9				0.			5.6	6.5	0.			1.9	9.	en • •	3.2		\bigvee	21.3
4.6	1.9	1.3	1.3		1,3	9.		£, 1	5.6	3.2	9.		1,3	1.9	1.3	3.2		X	21.9
1.3	1.3		9.		9.		1.9		3.2	3.9	3.2	9.	9.	1.3	9.	3.8		\bigvee	21.3
SPEED (KNTS) DIR.	z	NNE	ä	ENE	w	ESE	SE	SSE	s	SSW	AS.	WSW	3	WNW	¥X	*NX	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

4884

155

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME DALLAS, TEXAS

CONDITION

HOURS (L.S.T.)

MONTH

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	The second second second second	41 - 47	41 - 47 48 - 55	 8 - 55
z	2.6	1.3	0.00	9.2	9.							11.0
NN	1.9	1.3	9.	9.								¢*>
w Z	9.	۰.										1.3
ENE	9.											0.
	9.	1.3	1.3									3.2
ESE		9.	9.									1.
SE	1.9	1.3	0.									3.6
SSE	٥.	1.3	1.3	9.								3.9
s	1.9	3.0	5.5	3.9	·~							16.8
SSW	1.0	6.1	1.9									3.8
3W	5.8											5.8
WSW		1,3										1,3
*		9.	9.									1.
N		9.	1.3			9.						2.6
¥	1.9	3.9	1.9	9.								8
MNN	9.	3.9	5.6	6.1	1.00							10.3
VARBL												
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\wedge	\bigvee	\bigvee	18.
	21.3	23.9	21.9	10.3	3.9	9.						100.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901

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155

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) YEARS 73-77 ALL WEATHER CONDITION DALLAS, TEXAS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MONTH

NNE .6 2.6 NE ENE .6 .6 E ESE 1.3 .6 SSE 1.3 .6 SSW 4.5 1.9 3 WSW .6 .6 WNW 1.9 2.6 2 VARBI		17 - 21	22 . 22	28 - 33	34 - 40	41 - 47	48 - 55	N 28	*	WEAN WIND
1.3 4.5 1.3 4.5 1.3 4.5 1.3 4.5 1.3 2.6 1.9 2.6	5.2 2.6	0.							13.5	8.0
1.3666666666 .									3.2	4.4
1.3 .6 1.3 .6 1.3 .6 1.3 .6 2.6 1.3 1.9 2.6 1.9 2.6									1.3	3.5
1.3 1.3 1.3 4.5 1.3 4.5 1.3 1.9 1.9 1.9 1.9 1.9	9.								1.3	5.5
1.3 4.5 1.3 4.5 1.3 4.5 1.3 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	٥.								9.	7.0
1.3 4.5 1.3 4.5 2.6 1.3 6.6 6.6 1.9 2.6									1.9	3.3
1.3 4.5 1.3 4.5 2.6 1.3 6.6 .6 1.9 2.6	9.								2.6	6.3
1.3 4.5 4.5 1.9 2.6 1.3 .6 .6 .6 .6 1.9 2.6	3.2 .6								5.8	7.0
4.5 1.9 2.6 1.3 .6 .6 .6 .6 .1.9 2.6	4.5 2.6								12.9	1.6
2.6 1.3 .6 .6 .6 .6 .1.9 2.6	3.2 1.9								11.6	5.9
.6 .6 .0 3.9 1.9 2.6									3.9	3.3
.6 .6 1.9 3.9									•	3.0
1.9 2.6	٥.								6.1	7.3
1.9 3.9	٠.								1.9	7.0
1.9 2.6	1.9 1.9	0.							10.3	1.9
VARBL	2.6 2.6								6.7	7.6
CAUM		X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	16.8	
20.6 23.9 23	23.9 13.5	1.3							100.0	5.7

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DIRNAVOCEANMET SMOS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

HOURS (L.S.T.)

A A N

YEARS

73-77

STATION NAME

DALLAS, TEXAS

SPEED 1.3 4.6 7.10 11.16 DIR.	.6 1.3 5.2	NNE 3.2 1.9 .6	NE . 6 1.5	o. o.	1.3 1.9	65. 6. 6		sse 2.6 1.3 2.6	7.7 3.9	ssw 2.6 1.9 2.6 3.	٥.	wsw 1.3 .6	1.9 .6 1.3	1.9	.6 3.2 .0	3.2 5.2	VARBL	CALM	
16 17 - 21	2.6	9.					9.	9.	3.9	3.2	0.		9.		0.1	1.9 1.9		X	
22 - 27 28 - 33																		X	
33 34 - 40																			
41 - 47																		X	
48 - 55																			
% AI																		X	
×	1.6	6.5	1.9	6.7	3.2	1.3	1.3	7.1	181	10.3	1.9	1.9	4.3	1.9	7.1	12.3		0	
MEAN WIND SPEED	6.9	5.2	1.1	5.5	4.2	1.0	0.6	6.1	6.7	7.6	11.7	2.7	6.3	0.6	6.6	6.4			

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 STATION NAME DALLAS, TEXAS

12 HOURS (L.S.T.)

JAN

CONDITION

ALL WEATHER

SPEED (KNTS) OIR.	1.3	4 . 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	VI %	*	WIND SPEED
z		3.2	1.9	5.2	1.3	9.						12.3	11.4
N N		5.1	2.6									4.5	7.0
¥		1.3	0.	9.								2.6	8.0
EE		9.	0.									1.3	7.0
	0.	1.3	•									2.0	5.0
ESE				9.								0.	12.0
35	1.3	6.1	9.	1.3								5.5	9.0
SSE	2.6	3,2	5.6									1.6	5.8
s	1.9		6.3	6.5	9.	9.						19.4	10.2
SSW		6.1	5.1	1.9								2.5	10.9
SW		1,3	1.3	5.6								5.2	9.1
WSW	9.	0.				9.						1.9	10.7
*	1.3	1.3	1.3	1.3								5.2	7.3
WNW	1.3		1.3									2.6	8 . 4
W	1.3		2.6	9.	9.	9.						5.8	8.6
NNN	9.	1.3	4.5	4.5	9.	9.						12.3	10.6
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3.9	
	11.6	22.6	29.0	26.5	3.2	3.2						100.0	8.7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

SMOS DIRNAVOCEANMET

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155

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

-

15 HOURS (L.S.T.)

AAN

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 FEATHER.

STATION NAME

DALLAS, TEXAS

CONDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z		9.3	3.2	4.5	9.							11.0	9.6
NNE	1.3	1.3	6.1	9.								5.2	6.3
¥	0	9.	1.3	9.								3.2	4.9
ENE			1.3									1.3	10.0
w	1.9	6.1	ç.									3.9	4.2
ESE		0.	0.									1.3	6.9
SE	1.3	1.9	1.9									5.2	5.6
SSE	6.1	3.2	3.2	1.9	. (23)							11.6	8.3
s	9.	5.0	5.5	6.5	1.	9.						16.8	10.9
SSW	9.	9.	7.9	9.								3.9	7.7
3W		9.	9.	1.3								2.6	0.6
WSW			0.	1.3	1.3							3.5	14.0
*	9.	9.		1.3								2.6	8.3
WNW		1.3	1.3	٥.								3.2	7.8
¥N		1.9	4.5	1.9	5.7							10.3	10.6
NNN		9.	5.8	3.9	7 . 3							11.6	10.9
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3.2	
	0.6	20.0	34.2	25.2	7.7	9.						100.0	8.9
	-				-								

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

7.0

MEAN WIND SPEED

%

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

8.0 4.3

3 2 2 3 3 6 3 3

8.5 7.0

3.9

8.4

11.0

1.

6.4

6.9 6.4

113.5

4.7

1100

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

YEARS

18 HOURS (L.S.T.)

NONTH

ALL WEATHER

CONDITION

7 56 48 - 55 41 - 47 34 - 40 28 - 33

> 1.3 9.

> 5.5 4.5 0

> > 3.9

1.3

S

SSW

S.

WSW

2.6

1.3

SSE SSE

9. 9 0.0

2.6

1.0

3.2

0

NNE

z

Z Z

w

3.2

TOTAL NUMBER OF OBSERVATIONS

155

6.2

100.0

0

11.6

27.7

34.2

18.1

CALM

VARBL

0

2.6

3.5

1.3

5.1

0

WNW N X

*

00

1.3

1.3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1550

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93901

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

21 HOURS (LS.T.) NONTH YEARS 73-77 ALL WEATHER COMPITION STATION NAME DALLAS, TEXAS

SPEED (KNTS) DIR.	1.3	4.6	7 . 10	11 . 16	17 - 21	22 - 27	28 . 33	6	34 - 40	4 - 40 41 - 47		41 . 47	41 . 47 48 . 55
z	9.	1.9	4.5		9.								7.
NA.	1.9	3.5	9.	1.3									7.1
a z	9.	1.3											1
ENE	0.	9.	9.										1,0
w	9.	9.	1.3										2.0
ESE	1.3	3.8							_				4.5
SE	9.	3.2	1.3										5.2
SSE	9.	3.0	5.6	4.5									10.3
s	1.9	5.5	4.5	3.5									14.8
SSW	9.	2.6											3.2
NS.	1.3								1				E • [
WSW	1.9	0.	9.										2.8
*		1.9											-
WNW	9.	5.6	9.										3.9
¥	1.3	4.5	5.6	٥.	563								10.3
XXX	1.3	1.3	3.2	6.1									.,
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee		X	X		12.3
	16.1	35.5	22.6	11.6	6.1				d				100.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

12E PS 92181

93901 STATION

DIRNAVOCEANMET SMOS

155

1240

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

200

SURFACE WINDS

NAU	MONTH	ALL	HOURS (L.S.T.)	
73-77	YEARS	ALL MEATHER	CLASS	COMBITION
TEXAS	STATION NAME			

	1.3	• •	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	8	*	WEAN WIND SPEED
z	1.1	2.3	3.9	2.9	9.	.1						10.9	0.6
N.	1.2	2.0	1.0	9.	-							6.4	9
ž	9.		5.	.2								2.3	5.
ENE	~	•	9.									1.1	6.0
¥	1.0	1,3										3.0	4.
ESE		1.0	~									1.9	5.
35	1.1	1.5	1.	.3								3.	5.
SSE	1.6	2.3	5.9	1.5	0							8.4	7.
s	1.9	7.4	5.1	4.0	9.	.2						15.9	8
SSW	2.1	2.0	1.6	1.2								6.9	9.0
SW	1.6	9.	.2	9.								3.1	5.4
WSW	9.	6 *	.2	2.	2.	•						1.1	7.0
*	9.	0.1	4.	9.								3.0	-
WWW	9.	1.0	1.2	7.								3.0	6.9
N.	1.0	5.5	2.3	7.7	· ·	.2						8	8
NNN	1.2	2,3	0.4	2.7	1.	-						10.9	8.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	X	11.2	
	16.9	26,1	25.9	16.0	3.3	9.						100.0	6.7

DALLAS

93901 STATION

DIRNAVOCEANMET SMOS

1100

141

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

...

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME

NOURS (L.S.T.)

FEB

CONDITION

SPEED (KNTS) DIR.	1.3	9 +	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	VI 82	*	WIND SPEED
z	1.4	1.4		3.5								7.1	8.5
NNE	1.4	1.4	1.4									4.3	5.5
N.		1.4										7.4	5.0
ENE													
w	2.8		1.4	1.								5.7	5.5
ESE	٠.	4.7		7.4								12	8.2
SE		1.4	1.	1.								2.0	7.5
SSE	٠.	1.		4.1								5	8.6
S	2.8	2.8	6.3	11.3	2.8							7.42	10.5
SSW	2.8	1.4		2.1								6.4	1.9
SW	4.3											2.4	5.6
WSW	1.4		1.									2.1	4.7
*		1.		1.4								2.1	8.7
WNW												2.1	0.6
¥	1.4	1.4	1.4	2.1								6.4	8.2
MNN	1.4	3.5	2.1	1.4	1.							2.6	7.5
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	\bigvee	\bigvee	X	\bigvee	13.5	
	21.3	20.6	14.2	27.0	3.6							100.0	6.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

STATION MAME

DALLAS, TEXAS

YEARS

0.3 NOURS (L.S.T.)

FEB MONTH

CONDITION

1	2.1 5.0 .7 .7 .7 .1 .1.48888
2.1 1.4 1.4 1.4 2.9 2.8 2.8 11.3 2.1 2.8 2.8 11.3 2.1 2.1 2.8 2.8 11.3 2.1 2.1 2.8 1.4 2.1 3.5 1.4 2.8 1.4 2.8	2.1 1.4 1.4 1.4 2.9 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8
2.1 1.4 1.4 2.1 5.07 2.8 2.8 11.3 4.37 2.8 2.8 11.3 4.37 2.8 1.4 2.1 1.4 1.4 2.1 2.8 1.4 2.8 1.4 2.8	2.1 1.4 1.4 2.1 5.07 2.8 2.8 2.8 11.3 4.37 2.1 2.8 1.4 1.4 1.4 2.17 2.8 1.4 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8
2.1 1.4 1.4 1.4 2.1 5.07 2.8 2.8 11.3 4.37 2.8 2.8 11.4 1.4 1.4 2.17 2.8 1.4 2.8 1.4 2.8 1.4 2.8	2.1 1.4 1.4 1.4 2.1 5.07 2.8 2.8 11.3 4.37 2.8 2.8 11.4 2.1 2.1 2.8 1.4 2.8 2.8 1.4 2.8 2.8 2.8 2.8 2.8 2.8 2.8
2.1 1.4 1.4 1.4 2.1 2.8 2.8 11.3 2.8 2.8 2.8 11.3 4.3 2.1 2.1 2.8 1.4 2.1 2.8 1.4 2.8 1.4 2.8 1.4 2.8	2.1 1.4 1.4 1.7 2.8 11.3 2.8 2.8 11.3 4.3 2.1 2.1 2.1 2.8 1.4 2.1 3.5 3.5 1.4 2.8 1.4
5.7 2.8 2.8 11.3 5.0 2.8 2.8 11.3 4.3 .7 .7 .7 2.1 .7 2.8 1.4 1.4 2.1 .7 .7 .7 .7 .7 .7 .7 .7 .7	5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.377 2.17 2.8 1.4 1.4 2.17 2.8 1.4
5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.377 2.17 2.8 1.4 1.4 2.177	5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.377 2.17 2.8 1.4 1.4 2.17 2.8 1.4 1.4 2.177
5.7 2.8 2.8 11.3 4.3 .7 .7 .7 2.1 .7 .7 .7 1.4 2.1 .7 .7 .7 3.5 3.5 1.4 2.8	5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.3777 2.17 2.8 1.4 1.4 2.177 1.4
5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.371 2.17 2.8 1.4 1.4 2.177 3.5 3.5 1.4 2.8	5.7 2.8 2.8 11.3 5.0 2.8 2.87 4.3777 2.17 2.8 1.4 1.4 2.177 3.5 3.5 1.4 2.8
5.0 2.8 2.8 .7 4.3 .7 .7 2.1 .7 .7 1.4 2.1 .7 1.4 3.5 3.5 1.4 2.8	5.0 2.8 2.8 .7 4.3 .7 .7 2.1 .7 .7 1.4 .7 .1 1.4 1.4 2.1 .7 1.4 3.5 3.5 1.4 2.8
2.1 .7 2.8 1.4 1.4 2.1 .7 1.4 3.5 3.5 1.4 2.8	2.1 .7 2.8 1.4 1.4 2.1 .7 1.4 1.4 2.1 .7 .7 .7 3.5 3.5 1.4 2.8
1.4 1.4 1.4 2.1 7 1.4 3.5 3.5 1.4 2.8	1.4 1.4 2.1 .7 1.4 1.4 2.1 .7 .7 .7 3.5 3.5 1.4 2.8
1.4 2.1 .7 1. 3.5 3.5 1.4 2.	1.4 2.1 .7 1. 3.5 3.5 1.4 2.
3.5 3.5 1.4 2.	3.5 3.5 1.4 2.
3.5 3.5 1.4 2.	3.5 3.5 1.4 2.
3.5 3.5 1.4 2.	3.5 3.5 1.4 2.
	78

1018

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

ALL WEATHER

73-77

STATION NAME

DALLAS, TEXAS

YEARS

CONDITION

FEB	MONTH	90	HOURS (L.S.
	1		1

1

SURFACE WINDS

SPEED (KNTS) DIR.	1.3	9	7 - 10	11 - 16	12 . 71	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
z	1.4	2.8	1.4	1.	.7							1.1	6.7
NA	~.											7.7	3.0
a z		1.										••	4.0
ENE													
w													8.0
ESE	1.4											1.4	2.0
SE		1.4										1.4	5.5
SSE	1.4	7·1	E									7.1	7.2
s	3.5	6.4	5.7	7.1								21.3	0.6
SSW	9.5	2	2.8									15.6	4.6
SW	2.1	2,8										2.0	3.9
WSW	.7												2.0
*			8.8									3.5	10.0
WNW	.7	3.5	2.8	1.4	•							9.2	. S
N.W.		4.3	1.4									4.9	9.6
MNN	.7	1.4	2.8	3.5								8.5	8.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	X	X	\bigvee	6.6	
	22.7	26.2	24.1	14.9	2.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

1010

90 HOURS (L.S.T.)

FE8

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME DALLAS, TEXAS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

z z		4:0	7 - 10	1 - 16	17 . 21	22 · 27	28 - 33	34 - 40	41 . 47	48 - 55	VI 95	*	WIND WIND SPEED
N N	7.		4.3	1.4	. 7							7.1	10.7
	7.	2.1										2.8	_
¥		2,1	1.									2.8	-
ENE													-
w		. 1	4.1									2.8	_
ESE													-
SE		2.1	1.4									3.5	_
SSE	1.4	2.8	3.5	۲.								8.5	_
s	2.1		4.9	7.1	3.5							25.5	
SSW	1.4	3.5	3.5	1.4								6.6	
NS.			1.	1.								1.4	
wsw				.7								4.	
*	1.	.7	2.1	1.4								2.0	-
WNW			2.1	2.1								5.0	-
¥	2.1	2.1	3.0	2.8								12.1	-
NNN		2.1	4.3	1.4								7.8	
VARBL													_
CALM	X	X	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	5.0	
	6.6	25,5	35.5	19.9	4.0							100.0	-

0880

141

TOTAL NUMBER OF OBSERVATIONS

141

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

T3-77 TARS TARTON NAME ALL WEATHER CLASS CLASS	837	MONTH	12	HOURS (L.S.T.)	
ALL WEA		YEARS			
× 1		STATION NAME	ALL WEATHER	CLASS	CONDITION

MEAN WIND SPEED	5.0 11.4	4.3 6.3	2.8 6.5		2.1 5.7	1.4 4.0	5.7 5.9	10.6 8.2	23.4 12.7	7.1 10.9	2.8 11.0	2.1 7.3	6.4 11.2	6.5 11.7	9.2 9.9	7.1 10.3		1.4	
% AI						-												X	
48 - 55																		X	
41 - 47																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27	1.								2.1					1.4				\bigvee	
17 - 21								1.	2.0				1.4		1.4			\bigvee	
11 . 16	2.3	.7						2.8	10.6	4.3	1.4	٠٠	1.4	2.8	2.1	6.4		\bigvee	
7 - 10	1.4	. 7	1.4		2.		2.1	1.4	4.3	2.1	1.4	. 1	2.00	2.8	3.5	2.1		\bigvee	
4.4		1.4	4 · 4		1.	1.4	3.5	2.5	2.3	۲.		1.			2,1			\bigvee	
3	.1	1.4						2.1						.,				\bigvee	
SPEED (KNTS) DIR.	z	ZZ	az.	ENE		ESE	SE	SSE	s	SSW	S.W.	WSW	*	WNW	×	NNN	VARBL	CALM	

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

-

141

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77-ET

STATION NAME

DALLAS, TEXAS

ALL WEATHER CONDITION

NOURS (L.S.T.)

FEB MONTH

YEARS

	9:+	7 . 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 8	*	MEAN WIND SPEED
	7 1.4	2.0			. 7						5.7	8.5
	7 1.4	. 7									2.8	6.3
		2.1									2.8	7.5
	۲.	٠.									1.4	6.9
•	1. 1										1.4	3.5
		7.										7.0
1.4	4 6.1										4.3	8.4
	2.8	2.8	1.4	1.							7.8	9.2
2.8	8 2,1	7.1	11.3	2.1	2.8						28.4	12.0
			2.8								3.5	12.8
•	7 1.4	. 7	1.4			.7					5.0	10.9
•	7	1.									2.1	7.3
	3.5	2.1	1.4	3.4							8.5	10.0
	1.4	2.1	3.5								7.1	6.6
		2.8	3.5	. 7							8.5	12.8
•	4.1	2.8	2.8								7.8	0.6
X	\bigvee	2.1										
8.5	5 20.6	29.8	29.1	0.5	6.7						100.0	0.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

0 0 0 0 0

4.8

4.0 0.4

8.5

MEAN WIND SPEED

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

. 3

SPEED (KNTS) DIR.

.

2.1

2.1

4.3 707

z z z

ENE

w

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

YEARS

ALL WEATHER

1.8 HOURS (1.S.T.)

FEB

CONDITION

*	6.6	3.5	2.8	1.4	4.3	5.7	14.9	17.0	5.7	2.1	 2.0	4.3	9.5	9.2	4.3	100.0
% %																
48 - 55																
41 . 47																
34 - 40	T															

.

2.8

2.0

2.8

2.1

s

2.8

3.5

SE SSE

1111

6.3 0.5

4.4

11.4

5.1

9.2

TOTAL NUMBER OF OBSERVATIONS

2.0

19.9

28.4

27.7

14.2

.

3.5

5.0 4.9

7.2

*

WNW

ž

WSW

×S.

SSW

4

NN. VARBL CALM

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141

7.7

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

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H

21 HOURS (L.S.T.)

FEB

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

DALLAS, TEXAS

93901 STATION

CONDITION

ALL WEATHER

_												
	9.+	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 42	48 . 55	8	*	WIND
1	5.0	.7	1.4								7.1	7.1
1	1,4										2.1	3.3
1	1,4										4.3	2 • 8
1	2.1	. 7									5.0	4.3
	1,4	. 7									3.5	8.4
	7.4		2.8	. 7							5.0	11.0
	4.3	5.3	2.1								13.5	7.6
	2.8	5.7	5.7								16.3	9.6
	1.4	1.									4.3	5.7
											.1	0.9
												4.0
	1.										2.8	0.6
9	2.1	1.4									6.3	7.8
1	8.3	2.1									80	7.3
	2.8	2.1	2.8								8.5	8.2
v \I	X	X	X	\bigvee	13.5							
	31.2	20.6	17.0	2.8							100.0	6.4

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

-

141

TOTAL NUMBER OF OBSERVATIONS

. . .

TOTAL NUMBER OF OBSERVATIONS

9000

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

DALLAS, TEXAS

93901 STATION

YEARS VEATHER CLASS ALL STATION NAME

ALL HOURS (L.S.T.)

FEB MONTH

CONDITION

SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۱۷ اد	*	MEAN
DIR.													SPEED
z	.7	2.3	1.7	1.7	6.3	. 2						8.3	8.7
ZZE	. 7	1.2	5.	7.								5.6	5.4
NE NE		1,1			۲.							1.8	6.4
ENE	4.	9.										1.2	0.4
w	1.2	0.1	9.	-:								2.8	6.4
ESE	5.	5.	5.	.2								2.0	5.5
35	9.	1.0		c.								3.0	6.7
SSE	1.2	9.2	3.8	1.5	~							9.5	4.9
s	2.5	3.5	6.4	6.8	2.2							22.6	10.7
SSW	2.7	2.0	1.7	1.6								8.0	4.9
SW	1.5	0.1	4.	٠.			-					3.5	0.9
WSW	9.	4.			•							1.6	6.1
*	9.	6.	eo •	7:	un.							6.4	9.2
WNW	.3	7.2	1.6	2.0	-	2.						5.3	6.6
*	1.1	2.0	2.7	1.8	4.	٠.						8.2	8.6
NNN	6.	2.1	3.0	5.6	. 2							8	4.8
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	7.1	
	15.5	24,3	24.9	22.8	4.2	1.2	•1					100.0	7.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

BUUB.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

	12.00	73.47	12=51	73-11	12=51
	13-61	13.21	17=67	17-67	17=67
	13-61	13.67	17-67	17-67	17-67
	13-61	73-11	12-51	12-51	12-51
13-1	1	7	7.3	7.3	7.3

STATION NAME

93901 STATION

0 0

ALL MEATHER	CTVSS	

NOURS (LS.T.)

MAR

11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56 1.9	-	NNW . D	CALM
11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56 1.9 •• • • • • • • • • • • • • • • • • •	1.3	1.3	X
17 - 21	0.	9.	X
22 · 27	6.1	1.3	X
28 · 33	٥	0	X
34.40 41.47 48.55 ≥ 56			X
11 . 47 48 . 55 256			X
25 · 84 · 55 · 19 · 19 · 19 · 19 · 19 · 19 · 19			X
35 AI			X
			X
2007 2007 2007 2007 2007 2007 2007 2007			
		4.0	5.2
S S S S S S S S S S S S S S S S S S S			

)

1000

104

155

NUBB

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

HOURS (LS.T.)

MAR

YEARS

73-77

STATION NAME

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

SPEED (KNTS) DIR.	3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	8 AI	%	MEAN WIND SPEED
z	1.3	3.2	1.9	1.3	E)							8 4	7.3
N.	s.	0.	2.6									3.9	6.5
¥	9.	9.										1.3	3.5
ENE		5.6										2.6	5.0
w	9.	9.	1.3									2.5	6.3
ESE	Ģ.	3.2	9.	2.6								7.1	7.9
SE	9.	9.	3.2	5.0								7.1	9.2
SSE	1.3	1.3	3.2	3.2	9.							6.4	4.6
5	3.2	1.9	3.9	11.0	ç.							21.9	10.7
SSW	3.2	1.3	1.3	٥.								6.3	4.8
SW		1,3										1.3	4.5
WSW	9.											9.	2.0
*	2.6	9.	1.3	0.	9.							5.8	7.2
WNW	9.	9.	5.6	1.3								5.2	8.3
N	9.	1.3	9.	6.7								4.5	8.7
NNN	1.3	1,3	0.	1.3	9•							5.2	8.3
VARBL													
CALM	\bigvee	6.5											
	18.1	21,3	23.2	26.5	4.5							100.0	7.7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

CONDITION

YEARS ALL WEATHER

06 HOURS (L.S.T.)

MAR

-			-	-		-	-		-		-		-
SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 . 16	17.21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	N 28	*	MEAN WIND SPEED
z	1.3	1.9	en:	1.3								8.4	7.5
NNE	9.	1.3										1.9	3.7
ä		3.9	0.									5.5	9.6
ENE		9,										9.	0.9
w	9.	5,6	1.3									4.5	6.5
ESE		5.6	o									5.4	6.3
SE	9.	1,3	0.	F. 3	g•							5.5	6.6
SSE		2.6	2.6	1.9	9.							7.7	6.6
s	1.3	3.9	7.7	11.0								23.9	9.6
SSW	4.5	1.3	1.9	1.3								0.6	5.9
SW	3.8	9.										e e	2.3
WSW	5.5		1.3									3.9	4.5
*		1.3		1.3								5.6	8.5
WNW		1.3	9.	9.								2.0	0.8
N.W		9.	9.	1.3								5.6	6.8
MNN	1.9	1.9	1.3	3.5								+y * 8°	8.2
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	6.5	
	16.8	27.7	24.5	23.2	1.3							100.0	7.1

H

TOTAL NUMBER OF OBSERVATIONS

155

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

0.9 HOURS (1.S.T.)

MAR

YEARS

73-77

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

7 - 10
3.2 2.6
3.6 .6
9.
2.6
9.2 9.
1.3
1.3 1.9
3.2 2.6 1.3
3.9 8.4 4.5
3.2 2.6
1,9
9.
2.6 1.3
9.
4.5
3.9 2.6
32.9 31.0 6.5

135

TOTAL NUMBER OF OBSERVATIONS

10666 STATION

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER CONDITION DALLAS, TEXAS DETACHMENT ASHEVILLE, NC

NOURS (LS.T.)

MAR

	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	> 2	*	WIND
0.		3.6	1.9	9.							6.3	10.1
1.9	+	1.3	9.								4.5	9.9
1.9	1-	1.00	9.								3.9	7.3
9.	1	9.									1.3	0.9
	1	2.6	2.6								6.9	8.9
1.3	1	1.9	1.3								6.9	7.1
1,3	-	9.	1.3								3.9	8.3
5.0	1	4.3	4.5	9.							13.5	8.6
0.	1	2.6	11.0	5.5	1.3						21.9	14.0
9.		1.9	1.3	9.	0.						5.2	12.8
			1.3	0							1.9	16.3
	-		9.								1.9	17.3
1.3	-		e		9.						3.9	10.2
	-		9.	9.							1.9	10.3
	1	1.9	3.9								6.9	11.2
1.3		1.9	4.5	9.							0.6	11.3
X	1	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	M	\bigvee	1.	
15.5		24.5	37.4	10.3	2.6						100.0	10.7
	í											

-

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

YEARS

15 HOURS (L.S.T.)

MAK

CONDITION

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

ALL WEATHER

STATION NAME

DALLAS, TEXAS

93901 STATION

6.2 9.1 8 . 8 0.9 13.0 8.2 10.4 14.4 11.2 10.5 14.5 11.3 10.8 14.5 MEAN WIND SPEED 100.0 12 48 - 55 41 - 47 34 - 40 28 - 33 5.6 -9 0 22 - 27 11.6 3.8 3 0 . . 0 17 - 21 41.9 2.6 3.2 1.3 4.00

3.6.6.6.

25 SS SS AS

2.6

9.

s

0000 5

9. 1.3 9.

¥ % %

1000

TOTAL NUMBER OF OBSERVATIONS

23.2

14.2

5.00

1.3

5.0

9

0.

WNW NN X VARBL CALM

1.0

WSW

*

SSW

•

155

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION

STATION NAME

DALLAS, TEXAS

93901 STATION

18 HOURS (L.S.T.)

MAR

MEAN WIND SPEED	7.8	6.6	0.9	4.8	9.9	8.7	7.5	10.3	12.6	9.5	2.0	12.0	3.9	6.4	13.3	10.6			4.6
*	1.6	1.9	3.9	3.2	6.0	6.9	11.0	12.3	18.7	3.6	9.	5.6	4.5	5.8	1.9	5.8		1.9	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 . 33																		\bigvee	
22 - 27									9.						0.			\bigvee	1.3
17 - 21								9.	2.0	9.			1.9	1.4				X	7.1
11 . 16	1.9	9.			1.3	5.0	6.1	4.5	10.3	9.		1.3	1.3	0.		3.2		X	30.3
7 - 10	2.6	1.3	2.6	9.	1.3	0.	4.5	5.5	2.6	9.		1.3	1.3	6.1	9.	3.5		X	29.0
9:	4.5			1.9	5.6	3.5	3.9	1.9	5.0	0.	9.			1.3	9.			\bigvee	23.9
1.3	o.		1.3	9.	1.3		9.			9.				9.		9.		X	6.5
SPEED (KNTS) DIR.	z	N.	2	ENE		ESE	SE	SSE	S	SSW	×s.	WSW	*	WNW	××	*NN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

30

155

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

21 HOURS (L.S.T.)

MONTH

CONDITION

MEAN WIND SPEED	7.7	4.6	4.3	2.0	6.7	8.5	7.3	10.9	11.6	4.2	0.4	13.3	7.2	0.6	11.0	8.3			7.9
8	11.6	3.2	3.9	S .	3.9	8.4	6.9	12.9	17.4	3.2	1.3	2.6	3.2	2.6	3.9	1.9		7.7	100.0
85 AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27					Openio III Alia			9.	9.									\bigvee	1.3
17 - 21						9.		1.3	5.1						0.			\bigvee	5.8
ð1 · 11	3.2				9.	1.9	9.	4.5	6.5				1.3	1.3	1.9	9.		\bigvee	22.6
7 - 10	3,9		9.	1.9	1.3	3.2	3.2	3.9	3.0			9.						\bigvee	24.5
4.4	1.9	1.9	1.9	0.	6.1	1.3	2,6	1.3	9.	5.6	1,3	9.	9.	1.3	2.3	1,3		\bigvee	23.2
1.3	5.6	1.3	1.3	3.2		1.3		1.3	1.9	9.			1.3					\bigvee	14.8
SPEED (KNTS) DIR.	z	N N	¥	ENE	w	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	¥	NNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

155

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL HOURS (L.S.T.)

MONTH

YEARS

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION

ALL WEATHER

MEAN WIND SPEED	8.2		5.5	5.4	7.3		8.5	10.0	12.0		83	_	-	8.6	10.1	9.8			8.9
*	8.1	3.6	2.8	2.9	5.4	0.9	0	11.5	20.9	5.3	1.9	2.5	4.1	3.3	4.4	6.3		4.	100.0
الم 39																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27									.5				. 2	-				\bigvee	1.1
17 - 21					•	•	1.	1.	3.0	.3	. 1	9.	• 3	**		4.		\bigvee	6.5
11 - 16	1.9	. 2	-:		1.0	601	1.8	4.3	10.2	3.	٠.	9.	1.2	æ.	2.3	2.7		\bigvee	30.1
7 - 10	2.8	1.3	30	1.0		1.3	5.4	100	4.2	1.2	4.	0.	1.0	1.0	1.0	1.5		X	26.0
4.6	2.1	1.1	1.4	1.0	2.0	1.9	1.6	1.9	1.5	1.3	.3	2.	9.	æ.		1.3		\bigvee	20.0
1.3	1.0	9.	9.	\$	1.	30	r.	•	1.5	1.5	9.	s.	9	.2	7.			\bigvee	12.1
SPEED (KNTS) DIR.	Z	N.	w Z	ENE		ESE	SE	SSE	S	SSW	AS.	WSW	3	WNW	ž	*NN	VARBL	CALM	

-

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

3

7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1116

150

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

JAR

HOURS (L.S.T.)

A P R

YEARS

73-77

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 . 33	34 · 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z		2.7	.7									3.3	5.8
NNE	1.3	4.	1.3									3.3	5.0
NE	.7	2.0										2.7	4.3
ENE		4.	. 7									1.3	5.5
E	1.3	1.3	2.0	.7								5.3	6.9
ESE		2.7	2.0	.7								0.9	6.7
SE		1.	3.3	1.3	549							7.3	10.6
SSE	.7	2,0	0.4	8.0	1.3							16.0	11.2
8	4.0	4.0	7.3	3.3	. 7							19.3	7.3
SSW	3.3	4.0										7.3	3.0
SW	5.0	. 7										2.7	2.8
WSW		. 7											5.0
*													
WNW	1.3	2.0	1.3	. 7								5.3	6.1
N.	2.0	2.0	1.3	2.0								7.3	6.7
NNN		1.3	1.	1.3								0.4	80
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	X	X	X	0.8	
	18.7	27.3	24.7	18.0	m.							100.0	6.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF WIND

03 HOURS (L.S.T.) MONTH APR YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER DALLAS, TEXAS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

MEAN WIND SPEED	3.6	4.0	11.0	5.7	8.3	3.4	8.1	10.3	8	5.3	2.7	0.4	8.0	00	8.7	2.0			6.3
%	0.4	3.		2.0	2.1	3.3	6.6	14.0	20.0	7.3	2.0	17	2.0	3.3	4.7	0.4		14.0	0.001
85 VI																			
48 - 55																		\bigvee	
17 - 17																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	.7
17 - 21																		X	1.3
11 - 16			1.				2.7	4.7	5.3	. 7					2.0			\bigvee	16.7
7 - 10							3,3	4.7	0.9	. 7		1.3	1.3	. 7	1.3	1.3		X	22.7
• •	2.0	1.3		1.3	1.3	2,0	2.0	2.7	5.3	4.7			. ,	2.7	1.3	1.3		\bigvee	28.7
1.3	2.0	1.3				1.3	1.3	.7	2.7	1.3	2.0	2.0				1.3		\bigvee	16.0 28.7
SPEED (KNTS) DIR.	z	NNE	32	BNE	E	ESE	SE	SSE	s	SSW	*S	WSW	*	WNW	WW	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

HOURS (L.S.T.)

A P R

YEARS

73-77

STATION NAME

DALLAS, TEXAS

7. 7.		1		֡	** **	***	8	MINIS
7.				 ! :	3	3	•	SPEED
7.							4.7	5.9
7.							2.0	3.0
.7								7.0
							3.3	5.6
.3							4.7	5.1
1.3							6.0	6.1
1.3 2.0							8.0	7.5
6.7 2.0			-				11.3	80
8.0 2.7							18.7	7.8
2.0							0.8	5.1
							3,3	2.8
							2.0	5.0
1.3							2.7	5.3
2.0 2.0							6.7	8.8
2.0							4.7	0.8
1.3							0.4	0.9
X	\bigvee	X		M	X	X	6.3	
27.3 13.3							100.0	6.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

106E6

DIRNAVOCEANMET SMOS

1111

150

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

APA	MONTH	60	HOURS (L.S.T.)	
	YEARS			
77-57		ALL WEATHER	CLASS	CONDITION
JALLAS, TEXAS	STATION NAME			

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

1556

30

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

12 HOURS (1.5.T.)

APR

CONDITION

SPEED (KNTS) DIR.	1.3	4.6	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۲۱ اد	*	MEAN WIND SPEED
z	.7	2.0	2.0	2.7								7.3	8.4
NNE												.7	0.9
NE		1.3										2.0	5.3
ENE												1.3	4.5
E	.7	1.3	2.0									4.7	7.3
ESE	.7	1,3	2.0	. 7								4.7	7.4
SE		1.3	2.7	1.								4.7	7.7
SSE	1.3	2.7	7.3	6.3	1.3	. 7						22.7	10.8
s		2.7	8.7	7.3		. 7						20.7	10.7
SSW	. 1		1.3	2.7								4.7	4.4
SW			1.3									2.0	10.0
wsw		1,3										1.3	5.0
*			2.0	5.0	- 3	. 7						0.0	12.3
WNW		2.0		1.3								0.4	9.0
¥			1.3	2.0								0.7	13.2
NNW	1.3	1.	2.7	2.7								7.3	9.2
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	X	X	2.0	
	6.7	18.7	7.45	32.7	3.3	2.0						100.0	9.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

DALLAS, TEXAS

93901 STATION

1556

5702 SURFACE WINDS JAN 78

SURFACE WINDS

TO S

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

93901 STATION

YEARS

15 HOURS (LS.T.)

APR

CONDITION

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MEAN WIND SPEED	8.0	7.5	11.0	7.5	8.8	8.0	7.1	10.0	11.8	7.0	6.4	0.0	0.8	11.5	0.6	10.6			9.2
*	2.0	1.3	1.3	1.3	3.3	6.7	11.3	26.0	12.7	0.4	2.0	1.3	0.4	0.4	4.7	10.7		3.3	100.0
۲۱ کو																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21												-						X	0.4
11 . 16					L. 3	1.3	1.3	, (3)	6.7		1.3		1.3	2.0	5.0	4.7		X	32.0
7 - 10	2.0	. 7	. 7		1.	2.1	2.7	10.01	4.7	1.3					1.3	4.7		X	33.3
9.		.7			1.3	1.3	6.9	4.7		1.3	4.		1.3		1,3			\bigvee	19.3
1.3							2.7	1.3										\bigvee	7.3
SPEED (KNTS) DIR.	z	NNE	a Z	ENE	w	ESE	SE	SSE	S	SSW	3W	WSW	*	WWW	××	NNN	VARBL	CALM	

010

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION

18 HOURS (L.S.T.)

APR

MEAN WIND SPEED	5.7	4.9		8.3	5.7	6.6	10.5	10.2	8.5	6.3	8.0	00.5	0.4	11.5	8.2	4.9			20
*	0.4	3.3		2.0	7.3	8.7	16.0	17.3	11.3	2.0	1.3	1.3	4.	5.3	6.7	0 00		4.7	100.0
89 A1																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27																		X	
17 . 21						1.3			4.						. 7			X	4.7
11 . 16				.7	. 7	1.3	0.0	0.8	1.3			1.		2.1	.7	. 7		X	22.7
7 - 10	2.0	2.0		.7	2.7	3.3	8.7	29.0	0.0	1.3	.7			1.3	3.3	2.7		X	40.0
4.6	1.3	. 7		. 7	2.0	2.0		2.7	3.3		1.	.7		. 7	.7	0.4		X	20.7
1.3	4.	. 7			2.0	1.									1.3	. 7		X	7.3
SPEED (KNTS) DIR.	z	NNE	NE.	ENE		ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	XX	MNM	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901

6.7

MEAN WIND SPEED

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

F .

5.0

5.03

7.0 6.6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

YEARS

ALL WEATHER

2.1 HOURS (L.S.T.)

A P K

CONDITION

88798 18.0 11.3 2 4 8 3.3 100.0 2.7 . 8 7 26 48 - 55 41 - 47 34 - 40 28 - 33

.

0.9 1.3

0.0 4.7

5.3

S SE SE

4.0

2.0

0.4 2.7

4.0

2.0

1.3

Z Z Z Z

-

4 8 0 0 0 0 0

7.3

TOTAL NUMBER OF OBSERVATIONS

50

14.0

29.3

30.7

14.7

.

1.3

1.3

2.00.2

WNW NN X VARBL CALM

}

1.3

130

6.9

SMOS DIRNAVOCEANMET

N

93901 STATION

SSW WSW

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1200

TOTAL NUMBER OF OBSERVATIONS

3

APR

ALL HOURS (LS.T.)

2

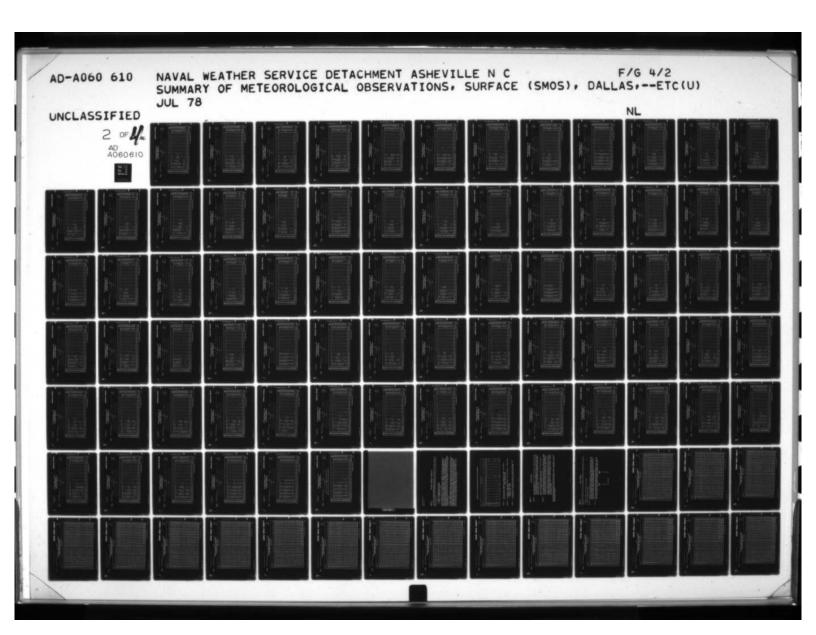
SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

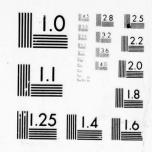
73-77 WEATHER CONDITION DALLAS, TEXAS

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	N 26	%	MEAN WIND SPEED
z	æ.	1.7	1.0	10	•							4.4	6.7
NNE	1.	£0.	.7									2.3	5.0
ZE	5.	.5	.2	.2								1.4	5.4
ENE	143	**************************************	ç.	.2								1.8	6.2
	1.1	1.07	1.7	6.	•							5.5	7.1
ESE	æ.	2.2	2.2		.2							6.2	7.4
SE	٥.	2.3	3.9	2.8	4.							10.5	0.6
SSE	1.0	3.0	6.5	6.1		.2						17.6	10.0
S	1.6	3.4	9.9	3.9	9.	7.						16.2	8.0
SSW	1.2	2.2	1.2	1.								5.4	0.9
SW	0.1	.5		~								2.1	5.3
WSW	4.	ic.	79.	2,								1.4	5.9
*	2.	80.	.7	4.	•	~						2.4	8.9
WNW	2.	7.4	1.2	1.3	• 2							6.4	8.9
WW	9.	1,2	1.5	2.0	~							5.5	9.1
MNN	1.2	1.7	1.7	1.4	7.							6.2	6.7
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	X	X	\bigvee	6.6	
	12.7	24.7	30.4	22.0	5.9	9.						100.0	7.7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC



AD A060610



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-7

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

DALLAS, TEXAS

STATION 93901

CONDITION

ALL WEATHER

HOURS (L.S.T.) MONTH MAY

YEARS

SPEED (KNTS) DIR.	3	4.6	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95	ð	MEAN WIND SPEED
z	9.	1.3	1.9									3.9	6.5
NN	9.	4.		9.								1.9	6.7
Z.	1.3	1,3										2.6	0.4
ENE	0	9.										1.3	3.5
	1.3	1.3	1.3									3.9	4.5
ESE		2,6	6.1									4.	6.1
SE	9.	3.2	3.2	1.3	.0							0.6	8.2
SSE	1.3	3.9	3.9	4.5								14.8	9.5
s	5.5	6.5	10.3	3.00								27.7	7.4
SSW	3.8	2.6										5	3.2
SW	1.3	6.1										3.2	3.4
WSW	1.9											1.9	2.7
*				9.								9.	15.0
WNW	1.9	1.3										3.2	3.2
¥	1.3	1.3	1.3									8	5.5
NNN		1.3	9.	٥.								2.6	8.0
VARBL													
CALM	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.6	
	2	1 00	3 7 2										,

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME DALLAS, TEXAS

HOURS (L.S.T.)

MONTH NON

SPEED (KNTS) DIR.	1.3	9:	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% %	*	MEAN WIND SPEED
z		3,9	2.6	9.								7.1	6.5
NN.	9.	1.9	9.									3.2	4.3
¥	9.	9.										1.3	4.5
ERE		6.1	g.									2.6	0.9
_	9.	9.	1.3	9.								3.8	7.4
ESE	9.	9.		1.3								2.6	7.5
SE	1.9	2.0	6.1									6.5	2.0
SSE	1.9	5.6	3.2	1.9								6.4	7.1
s	1.9	4.4	12.9	4.5								29.0	7.6
MSS	4.5	2.6	3.6									6.4	6.4
MS	1.3											1.3	1.5
WSW	9.											9.	2.0
*				9.								9.	11.0
WNW	1.3	9.										1.9	3.3
AN		1.9	6.1									3.9	8 . 9
MNN	2.6	9.	1.3									4.5	4.7
VARBL													
CALM	\bigvee	\bigvee	\bigvee	M	\bigvee	12.3							
	18.7	30.3	29.0	9.7								100.0	5.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

155

3.0 4.00 7.7 3.2 3,3

7.7

2.0

6.3 3.8

0

1.3

9.0

WSW

*

S.

SSW

SSE

WNW

1.3

0.6

3.6

N X VARBL

5.0

1.1

2.6

3.3 4.8

MEAN WIND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

0000

SURFACE WINDS

73-77 STATION NAME DALLAS, TEXAS

YEARS

WEATHER CLASS ALL

HOURS (L.S.T.)

MAY 90

SPEED (KNTS) DIR.

Z

2 Z

SE SE

w

CONDITION

5.4 50 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 1.9 0 11 - 16 10.3 0 5.00 7 - 10 1.9 5.6 1.3 0. 9. 3.5 3.5 0 0 1.3

TOTAL NUMBER OF OBSERVATIONS

155

2.0

10000

0.6

23.6

28.4

21.3

CALM

18.

1550

93901 STATION

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2

HOURS (L.S.T.)

MAY

YEARS

73-77

STATION NAME

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

		NN	NE NE	ENE		ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	×	NNN	VARBL	CALM
- · · · · ·	9.	9.			1.3	1.9	0.	3.2	0.		9.				9.	9.		\bigvee
9.4		3.9	1.3	1.9	1.9	2,0	9.	3.2	3.9	1.3		9.	1.3	9.		5.6		\bigvee
7 - 10	1.9	9.	0.	1.3	2.6	1.3	1.9	4.5	12.9	2.6			9.	6.1	1.3	1.9		\bigvee
91 - 11	1.3	9.				9.	9.	1.9	11.6	9.				9.	1.3	1.3		\bigvee
17 - 21									1.3									\bigvee
22 - 27																		\bigvee
28 - 33																		\bigvee
34 - 40																		\bigvee
41 . 47																		\bigvee
48 . 55																		\bigvee
VI 35																		\setminus
*	3.9	2,0	1.9	3.2	5.8	6.9	3.9	12.9	30.3	4.5	9.	9.	1.9	3.5	3	6.9		5.2
MEAN WIND SPEED	8.3	0.9	6.3	4.9	0.9	5.6	7.3	6.9	10.0	6.7	2.0	0.4	0.0	9.2	00	7.4		

9000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

YEARS

ALL WEATHER

STATION NAME

DALLAS, TEXAS

12 HOURS (L.S.T.) MONTH MAY

CONDITION

SPEED (KNTS) DIR.

ZZ Ä ENE

MEAN WIND SPEED	6.5	2.4	6.3	6.8	2.5	1.0	6.1	8.3	9.1	9.5	10.5	10.0	5.5	13.0	7.0	7.4		7.7
*	6.5	5.5	3.9	2.6	3.9	3.2	4.5	20.0	29.0	3.9	1.3	1.0	1.3	9.	3.5	7.1	1.9	100.0
% AI																	\bigvee	
48 - 55																	\bigvee	
41 - 47																	\bigvee	
34 - 40																	\bigvee	
28 · 33																	\bigvee	
22 · 27																	X	
17 - 21									9.								X	9.
11 - 16		9.	9.					3.9	10.3	1.3	9.	1.3		9.	9.	1.9	X	21.9
7 - 10	2.6			7.0	9	1.3	1.3	0.6	4.8	5.6	0.		0.		9.	1.9	X	31.6
• •	3.2	3.2	3.6	9.	1.9	1.3	2.0	6.5	1.1			9.			F. 7	2.6	X	34.2
ę.	9.	1.3	9.		1.3	9.	ç.	0.	1.9				9.		0	9.	\bigvee	9.7

WSW

*

SSW

S.W

SSE

SF

w

WNW N N VARBL CALM

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

5702 SURFACE WINDS JAN 78

SURFACE WINDS

111

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15 HOURS (L.S.T.) MONTH YEARS 73-77 ALL WEATHER CONDITION STATION NAME DALLAS, TEXAS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SPEED (KNTS) DIR.	 8:-	9.4	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو		*
z	9.	9.	2.6	1.9								5	5.8
NN	9.	3.2	1,3									in	5.5
WZ.	9.	1.9	9.	9.								3.9	0
ENE			9.									•	9.
w	1.3	1.3	9.									3.2	N
ESE	9.	3.2	1.9			••						6.5	2
SE	9.	5.8	5.8	3.9								16.	-
SSE	3.	3.9	7.1	2.6								14.2	2
s		3.9	6.5	14.2								24.5	2
SSW		1,3	9.	9.								2.6	9
AS.			9.									•	9
WSW			9.	1.3								1.9	ON
*		1.3	1,3	1.3								3.9	0
WNW	1.3	1.3	1.3	9.								4.5	2
¥		1.3	9.									6.7	on
NNN			1.9	1.3								3.2	2
VARBL													
CALM	\bigvee	1.3	~										
	6.5	29.0	34.2	28.4		4.						100.0	0

0140

1110

155

TOTAL NUMBER OF OBSERVATIONS

93901 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAY	MONTH	18	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	COMBITION
DALLAS, TEXAS	STATION NAME			

SPEED (KNTS) DIR.	1.3	*	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
z	1.3	1.9	1.9		9.							5.00	9
N.	0	1.3	1.9	9.								4.5	9
ž	9.	9.	9.									1.9	5.
ENE		9.	1.3									1.9	
w	9.	3.2	2.0									6.5	9
ESE		3.2	3.2	9.								7.1	
SE		1.3	7.7	1.9								11.0	. 6
SSE	1.3	3.8	11.0	2.0	9.							21.9	00
S	1.9	3.9	4.8	5.2								19.4	8
SSW		6.1										1.9	5.0
AS.	9.											9.	2.
WSW		9.										9.	5.
*	9.		9.	9.								1.9	1.
WNW	1.3	9.	1.3									3.5	5.
¥	9.		9.									1.3	5.
NN.	9.	1.3	4.5	9.								7.1	8
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	3.2	
	10.3	23.9	45.8	15.5	1.3							100.0	7.

DIRNAVOCEANMET SMOS

1111

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL

YEARS

WEATHER

21 HOURS (L.S.T.)

MONTH

CONDITION

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	WIND SPEED
z	9.	1.3	3.2									5.2	6.9
NNE		1.3	9.	9.								2.6	8.3
ž	1.3	9.										1.9	2.7
ENE	1.3											5.5	3.5
.	2.6	6.3	9.									7.7	4.6
ESE	1.3	4.5	3.2									0.6	6.5
35	9.	7.7	7.7	2.6								18.7	7,3
SSE	3.8	3.5	7.7	1.9	9.							16.8	7.7
8	3.9	5.2	1.3	4.5								14.8	7.2
SSW	1.9	9.										5.6	2.8
SW													
WSW	9.	9.										1.3	0.4
*	9.	9.										1.3	4.5
WNW		9.		9.								1.3	0.6
¥	1.3	1.3	9.	9.								3.9	5.5
NNN		1.9			9.							2.6	8.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	7.7	
	19.4	35.5	25.2	11.0	1.							100.0	6.1

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

10666

YEARS

ALL HOURS (L.S.T.)

HAY MONTH

CONDITION

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	29 - 11	48 - 55	85 VI	*	MEAN WIND SPEED
z	1.0	1:1	2.1	s.	7.							5.3	6.7
N. N.	1.0	2.1		s.								4.3	5.8
w Z	0.	1:1	.2	.2								2.2	5.3
ENE	.3	6.	1.									1.9	5.7
	1.1	2.2	1.2	-:								4.6	5.5
ESE	۲.	2.6	1.7	٠.		7.						5.4	9.9
SE	9.	3.2	0.4	1.4	-							6.3	7.4
SSE	1.8	3.8	6.5	3.1	.3							15.5	8.1
s	2.0	6.1	6.8	7.6	7.							24.8	8.5
SSW	1.7	1.5	1:1	£,								4.0	5.1
SW	9.	4.	.2	-:								1.2	4.2
WSW	5.	.3	~	.3								1.2	6.9
*	£.	9.	5.	.5								1.8	7.5
WNW	1.0	9.	٥.	e.								2.6	5.9
¥	9.	1.0	0.1									2.9	0.0
MNN	1.0	1.5	1.7	8.	. 1							5.1	7.2
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	7.3	
	14.8	29.6	31.2	10.2	89							100.0	6.7

810

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1240

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

6888

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

HOURS (L.S.T.) MONTH

CONDITION

MEAN WIND SPEED	6.3	4.3	3.5	4.2	8 . 4	6.3	6.5	6.3	7.3	5.2	1.5	10.0		0.8	5.3	3.5			6.2
*	2.7	2.7	1.3	0.4	3.3	10.1	10.7	12.0	32.0	8.0	1.3	1.3		. 7	2.0	1.3		0.9	100.0
۸۱ ۶۶																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21								. 7				۲.						\bigvee	2.0
1. 16						.7		3.3	5.3									X	10.0
7 - 10	1.3	. 7		1.		0.4	4.7	4.7	12.7					. 1	. 7			X	31.3
9:	1.	1.	.7	1.3	5.0	4.7	3.3	2.0	6.3	2.1					1.			X	28.7
1.3	.7	1.3	.7	2.0	.7	1.3	2.0	1.3	4.7	0.4	1.3	.7			7.	.,		X	22.0
SPEED (KNTS) DIR.	z	N.	¥	ENE	w	ESE	SE	SSE	s	SSW	AS.	wsw	*	WNW	¥N	*NN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) NON TH YEARS 73-77 ALL WEATHER CONDITION STATION NAME DALLAS, TEXAS

SPEED 1 - 3 DIR.	z	N.	NE 2.0	ENE	F 2 - 2	ESE . 7	SE 2.0	SSE . 7	3.3	SSW 4.1		WSW	*	WNW		NNW 1.3	VARBL	CALM	
9.4	1.3			1.3	3.3	3	2.7	1.3	8.7	4.0	1.							X	
7 . 10	1.3					. 7		0.4	15.3									\bigvee	
11 . 16							1.3	3.3	8.1							۲.		\bigvee	
17 . 21								4.						1.				\bigvee	
22 - 27																		\bigvee	
28 - 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		\bigvee	
48 - 55																		\bigvee	
۸۱ 8																		\bigvee	
8	3.3		2.7	1.3	6.7	4.7	6.7	10.0	36.7	6.6	1.3				1.3	2.0		12.7	
WIND SPEED	5.8	2.0	3.0	5.0	5.0	5.5	6.7	9.8	0.5	3.4	3.5			20.0	3.5	0.9			

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

130

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

HOURS (L.S.T.)

NONTH

YEARS

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	> 56	*	MEAN WIND SPEED
z		1.3										1.03	5.5
NNE		6.1										1,3	2.0
NE NE	.7	.7										1.3	3.5
ENE	1.3	5.0										3.3	3.2
	1.3	2.0	1.3									4.1	4.6
ESE	2.7	2.0		1.								0.9	5.1
	1.3	2,7	2.7	1.								7.3	6.3
SSE		2,0	0.4	1.3								7.3	8.6
	2.0	6.7	16.0	6.7								31.3	0.8
SSW	2.7	3,3	o•2									8.0	5.0
	2.7											2.7	1.3
WSW	0.4	1.3										2.3	2.8
WNW													16.0
WN		2.0										2.0	5.7
	4.0											0.4	2.8
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	X	X	X	X	13.3	
	22.7	27.3	26.7	10.0								100.0	5.3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

5702 SURFACE WINDS JAN 78

SURFACE WINDS

1111

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER CONDITION STATION NAME

73-77

DALLAS, TEXAS

93901 STATION

HOURS (L.S.T.)

NON THOM

33 34 . 40 41 . 47 48 . 55		X	X
41 . 42			X
34 · 40 41 · 47		X	X
		$+\langle$	X
AI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		+	$\left\langle \cdot \right\rangle$
N	1.3	9	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

12 HOURS (LS.T.)

NONTH NO

CONDITION

3	9.4	7 - 10	1 . 16	17 - 21	22 - 27	28 . 33	34 - 40	41 - 47	48 - 55	% AI	×	MEAN WIND SPEED
.3	2.7	1.3									5.3	5.4
1.3	3,3										4.7	4.1
.7	2.0	1.									3.3	8.4
											1.3	0.4
4.1											0.1	3.5
2.0	. 7	2.0									4.7	6.4
2.0	1.3				.7						0.4	6.8
3.3	5.3	2.0	0.4	•							15.3	1.1
	6.7	18.0	14.0								40.0	9.8
	.7	3.3	1.3								0.0	8.8
	.7		.7								1.3	8.5
1.3											2.0	3.0
												4.0
. 7												3.0
	4.	2.0									2.7	7.8
X	\bigvee	\bigvee	X	X	X	X	\bigvee	X	X	X	1.3	
19.3	27.3	30.0	20.0	1.	1.3						100.0	7.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1556

93901 STATION

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

8889

150

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(TROM TOOKE) OBSERVATIONS)	73-77
	DALLAS, TEXAS

YEARS	ALL WEATHER	CIASS	CONDITION
STATION NAME			

1.5 HOURS (1.5.T.)

NON

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 35	*	MEAN WIND SPEED
z	2.0	2.0										4.7	4.7
NN N		3.3	. 7									0.4	5.2
w Z		1.3	. 7									2.7	5.3
ENE		3,3										65	0.9
	2.0	0.4										0.9	4.1
ESE		1.3	2.7	1.								4.7	7.9
SE		1.3	1.3	.7								0.4	6.8
SSE	1.3	5,3	ं ९	5.3								18.0	8.3
s	2.7	7.3	14.0	10.0	9.3							57.3	9.6
SSW	1.3			1.3								4.7	9.3
SW			.7										10.0
WSW												1.3	3.5
*	1.												2.0
WNW	.7												3.0
XX			1.3									1.3	8.5
NNN		1.3	6 . 1									2.7	6.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	X	\mathbb{N}	e.	
	12.7	32 0	30.0	0 81	4.0							0 001	

TOTAL NUMBER OF OBSERVATIONS

150

DIBNAVOCEANIMET CALOR

93901 STATION

7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

110	
ALL WEATHER	A.
CLASS	
CONDITION	

SPEED (KNTS) DIR.	- 3	9 . 1	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	۸۱ کو	*	MEAN WIND SPEED
z	.7	1.3	1.3									0.4	6.2
N.	1.3	1.3		.7								4.0	0.9
Z.	. 7	2.0		.7								3.3	6.2
ENE	1.3	1.3	.7									3.3	4.2
	2.0	6.7	2.7	.,								14.0	5.7
ESE		2.7	2.0	2.7								7.3	8.5
SE		2.7	2.1									0.9	7.0
SSE	1.3	2.7	6.3	00								22.7	10.3
s		8.0	12.7	7.3	. 7							28.7	8.9
SSW		.7		.1								2.0	6.1
3W	.7												2.0
WSW		.,										4.	0.4
*													
WNW													
WW		1.											5.0
NNW	1.3	.7										2.0	3.3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	4.	
	10.0	33.3	32.7	22.0	1.3							0 001	

8888

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

-

150

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER STATION NAME DALLAS, TEXAS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

21 HOURS (L.S.T.)

NON THOM

	22 - 27 2	28 - 33 34 - 40	41 - 47	48 · 55	% AI	*	WIND SPEED
						2.7	0.4
						2.7	0.4
						13°	5.0
						3.3	3.0
						606	5.4
2.0						15.3	6.2
2.7						15.3	6.1
4.0						22.0	8.4
2.7						18.7	0.9
						2.0	2.7
						1.3	3.0
							2.0
			\bigvee		X	3.3	
12.0 .7						100.0	6.2

150

TOTAL NUMBER OF OBSERVATIONS

93901 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CONDITION STATION NAME DALLAS, TEXAS

ALL HOURS (LS.T.)

NON X

z		• •	7 - 10	1 . 16	17 - 21	22 - 27	28 · 33	34 · 40	41 - 47	48 · 55	8 Al	*	MEAN WIND SPEED
NNE	1.0	1.4	1.0	7.								3.5	5
	.7	1.7	23	7.								2.8	*
N.		1.5	.2	.2								2.7	4
ENE	1.2	-	.2									3.1	*
w	5.0		7.0	.2								6.7	*
ESE	1.3		2.0	60.								6.9	• 9
35	1.5	2.2	2.6	6.		-:						7.2	7.
SSE	1.2	3.5	3.4	3.8	9.							14.6	00
•	5.4	7.3	3.8	8.8	9	.2						33.2	8.8
SSW	1.8	2.1	1.6	.,	2.							6.3	6.2
NS.	.7	. 3	• 5	7.	~.							1.5	5.3
wsw	æ.	5.			~.							1.4	3.
*	.2	₹.										.2	3
WNW	7.	.2		٦.	•								6
WN	*	۲.	2.									1.3	*
MNN	1.0	• 5	5,	7.								2.1	5.0
VARBL													
CALM	X	\bigvee	\bigvee	X	M	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	5.8	
	17.2	59.9	29.5	15.9	1.6	.2						100.0	6.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

1200

and a

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER CONDITION STATION NAME

NOURS (LS.T.)

JUL

SPEED 1 · 3 DIR.	1	NE	NE J		2	ESE		SSE	S S	ssw 1	SW	wsw	*	WNW	N.	MNN	VARBL	CALM	
4 . 4	.3		.3		2.6 2.	.6 2	1.9		~	1.3	9.				٥.			\bigvee	
	9.			1.9	0.	2.0	3.9	4.0	-	en.								$\langle \rangle$	
7 - 10					· ·	1.3	1.3	30	13.6	٥٠.								X	
11 - 16	9.							5.6	1.9									X	
17 - 21																		\bigvee	
22 · 27																		\bigvee	
28 · 33																		\bigvee	
34 - 40																		\bigvee	
41 - 47																		X	
48 - 55																		\bigvee	
VI 26																		\bigvee	
*	2.0		1.3	1.9	7.1	4.5	7.1	33.	40.3	9	9.				9.			10.4	
MEAN WIND SPEED	4.5		1.5	2.0	6.4	2.0	4.5	6.9	6.3	5.3	1.0				3.0				

154

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 MEATHER ALL STATION NAME

CONDITION

NOURS (L.S.T.)

JUL

3.7 5.8 10.0 3.5 3.0 0.4 0.0 2.5 2.0 4.5 6.2 4.3 MEAN WIND SPEED 34.2 9. 1.9 3.9 9. 14.8 100.0 12 48 - 55 41 . 47 34 - 40 28 - 33 22 . 27 17 - 21 9. 1.3 11 . 16 0 5.6 16.1 9. 9. 25.8 7 - 10 3.2 31.6 00 e. 4.6 10.25 5.6 9. 90 54.5 1.3 SPEED (KNTS) DIR. VARBL N N N WSW WNW N N SSE SSE SSW SK. CALM * z . 5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

155

TOTAL NUMBER OF OBSERVATIONS

O.É. HOURS (L.S.T.)

JUL

1 E 1

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

93901 STATION

YEARS

1		
	ONDITION	
	ō	

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	۸۱ اد	*	WEAN WIND SPEED
z	1.3											1.3	2.5
NNE	0.	1.3										1.9	3.3
N.	1.3											1.3	2.0
ENE	0.	1.3										1.9	0.4
w	9.	5.1										2.6	3.8
ESE	5.6	5.6										5.2	3.5
SE	1.9	1.9	9.									4.5	3.9
SSE	9.	1.9	1.9	•								5.2	7.1
s	3.9	14.6	0.6									27.7	9.6
SSW	11.0	9.7	4.5									25.2	4.2
SW	5.5	٥.										5.3	2.1
WSW	9.											9.	2.0
*	9.											9.	3.0
WNW													
¥	9.											9.	2.0
NNN													
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	X	X	\bigvee	15.5	
	31.6	36.1	16.1	9.								100.0	3.8

TET

HOURS (L.S.T.)

JUL

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION

MEAN WIND SPEED	6 2.8	0.8 6.		3 3.0	3.9 4.2	2.6 5.3	12 3.5	0.5		0.7 4	9.4	2 5.8	2 4.8		1.3 7.0	3 4.5		3	2.6
*	2.6				50	2	5.2	11.0	26.5	19.4	S . C	3.2	5.2		۲•	1.3		10.3	100.0
۸۱ ۶۶																		X	
48 . 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
91 - 11								9.	6.5	1.3					9.			X	0.6
7 . 10		9.			9.	9.		1.9	11.0	0.6	1.3	1.3	1.3					X	7.70
9.	9.			9.	1.3	9.	5.6	3.9	30	7.7	6.1	1.3	1.9			1.3		X	7.66
3	1.9			9.	1.9	1.3	5.6	4.5	3.2	1.3	2.6	9.	1.9		9.			X	23.2
SPEED (KNTS) DIR.	z	NE	Z.	ENE		ESE	SE	SSE	5	SSW	NS.	WSW	*	WNW	N	MNN	VARBL	CALM	

9880

8000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901

1556

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

93901 STATION

YEARS

1.2 HOURS (L.S.T.)

JON MONTA

CONDITION

													1
SPEED (KNTS) DIR.	1.3	* · •	7 . 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41.47	48 - 55	% AI	*	MEAN WIND SPEED
z		9.										9.	0.9
NNE		1.9		9.								2.6	8.0
m m		9.										9.	0.4
ENE	9.		9.	9.								1.9	8.0
	1.9	2.6	9.									5.2	4.4
ESE	1.9	3.2	6.1									7.1	4.3
SE	5.6	1.9	. 3									5.8	4.2
SSE	5.5	4.6	1:1	9.								23.2	5.7
s	2.6	0.6	12.3	4.5								28.4	7.5
SSW	1.9	1.3	3.9	9.	9.							5.8	4.9
SW		9.	1.3									1.9	0.7
WSW	9.	3.9	9.									2.5	5.4
*	9.		9.									1.3	4.5
WNW	1.9	9.	9.									3.2	0.4
*N			9.									9.	7.0
NNN		1.3										1.3	0.4
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	\bigvee	X	X		2.6	
	20.0	37.4	32,3	7.1	9.							100.0	6.0

1

-

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

18150 20351

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5702 SURFACE WINDS JAN 78

SURFACE WINDS

2400

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS CONDITION STATION NAME DALLAS, TEXAS

15 HOURS (L.S.T.)

JUL

SPEED (KNTS) DIR.	1.3	9.+	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	×	WEAN WIND SPEED
z	9.	2.6	9.									3.9	4.7
NNE	9.											9.	1.0
NE.	1.3	1.9	2.6	1.3								7.1	6.7
ENE	1.9	9.	9.									3.2	4.4
w	9.	4.5		9.	9.							6.8	6.8
ESE	1.3		1.3									2.6	5.8
SE	1.9	2,6	3.5	1.3								11.0	7.0
SSE	1.3	7.7	11.6	1.9								22.6	7.2
•	1.3	6.5	2.6	3.2								20.6	7.7
SSW	9.	2.6	5.6	1.9								7.7	7.5
SW	1.3	9.										1.9	3.7
WSW	9.											9.	3.0
*	9.											0.	3.0
WNW		1,3	9.									1.0	5.7
NW	1.3		9.									1.9	4.3
NNW	1.3											1,3	3.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	M	\bigvee	\bigvee	\bigvee	X	\bigvee	3.8	
	16.8	31.0	35.5	10.3	9.							100.0	6.3

3411

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

YEARS

HOURS (L.S.T.) 18 100

WIND SPEED	5.9		7.7	4.0	5.7	_	8.1	0.8	7.4	7.3				2.0		5.0			6.7
*	4.5	3.2	1.9	4.5	11.6	6.9	11.6	22.0	22.6	1.9		9.	0.	9.		3.2		3.9	100.0
% AI																		X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		\bigvee	
17 - 21	g.																	X	4
11 - 16			9.	9.		٥.	9.	1.9	5.6									X	7.1
7 - 10	9.			1.3	3.9	2.6	7.1	13.5	10.3	1.3			0.					X	41.3
÷	1.3	1.9	0.	1.3	6.0	9.5	3.2	6.5	4.0	9.		9.				9.5		X	1 98
	1.9	1.3	9.	1.3	1.3	9.	9.	9.	1.3					9.		9.		X	11.0
SPEED (KNTS) DIR.	z	NR	¥	ENE		ESE	SE	SSE	s	SSW	×s.	WSW	*	WNW	X	MNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS CONDITION VIT STATION NAME DALLAS, TEXAS

Z 1 HOURS (L.S.T.)

JUL HONTH

SPEED (KNTS) DIR.	-:3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 · 55	% AI	*	WEAN WIND SPEED
z			9.									9.	10.0
NNE	1.9											1.9	
NE NE	1.3											1.3	
ENE	1.9	1.3	9.									3.9	
w	1.3	6.9	3.2	9.								11.6	5.9
ESE		7.7	5.2									12.9	0.9
SE	9.	1.6	11.0	0.								21.9	6.9
SSE	9.	5.8	5.8	9.								12.9	
s	6.9	6.4	5.2									16.1	5.0
SSW	1.9	1.3	1.3									4.5	4
SW													
WSW													
*													
WNW			9.									o.	10.0
NN	9.											0.	2.0
NNN	9.	9.										1.3	3
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	X	\bigvee	6.7	
	17.4	37.4	33.5	1.9								100.0	5.3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1556

93901 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JUL	нтиом	VIL	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	COMBITION
DALLAS, TEXAS	STATION NAME			
93901	STATION			

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	۸۱ کو	*	WEAN WIND SPEED
z	6	1.	·	7:	x-4							2.1	5.0
NNE	9.	9.	•	-:								1.4	4.1
Z.	٠.	·c.	e.	7.								1.8	5.5
ENE	0.1	1.0	4.	.2								3.6	6.4
	1.5	3.4		7.	•							4.9	5.3
ESE	1.2	5.6	9.1	1.								5.5	5.3
SE	1.6	3.6	3.4	5.								0.6	6.1
SSE	1.9	6.6	4.0	1.1								15.3	6.7
s	3.5	10.2	10.9	2.5								27.0	6.7
SSW	3.6	3.8	3.1	9.	٠,							11.8	2.6
SW	1.5	9.	•									5.5	3.5
WSW	5.	۲.	~									7.4	6.4
*	ç•	7.	•									0.1	4.7
WNW	4.	٤.	2.									6.	30 - 4
**	9.	۲.	.2	٦.								6.	4.5
NN.	* •	æ•	→•									1.3	4.3
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	9.1								
	20.1	35.2	29.8	5.6	~							100.0	5.4

988

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

SORE

1239

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER STATION NAME

CONDITION

HOURS (L.S.T.)

AUG

MEAN WIND SPEED	6.5		5.7	3.3	5.1	6.1	1.6	7.6	7.1	5.9	2.0	3.0	1.0	1.0		3.0			5.8
×	2.6		1.9	1.0	7. 3	13.5	12.9	14.8	25.8	1.1	9.	9.	9.	9.		9.		7.1	100.0
85 VI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16	9.		9.				1.3	1.9	1.3									\bigvee	5.8
7 - 10					7.9	5.8	5,8	7.1	12.9									\bigvee	33.5
*	1.3			0.	5.5	5.4	4.5	8.6	11,0	5.6								\bigvee	35.5
1.3	9.		1.3	1.3	1.3	3.2	1.3		9.	5.5	9.	9.	9.	9.		9.		\bigvee	18.1
SPEED (KNTS) DIR.	z	ZZZ	Ä	ENE	_	ESE	SE	SSE	v	SSW	SW	WSW	*	WNW	W	NNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

DIRNAVOCEANMET SMOS

001

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AUG	MONTH	60	HOURS (L.S.T.)	
73-77	YEARS	ALL WELTHER	CLASS	COMBITION
DALLAS, TEXAS	STATION NAME			

(KNTS) DIR.	 	• •	7 - 10	1 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	WIND SPEED
7		9.										9.	0.9
NNE	1.9	9.	9.	9.								3.9	5.5
a z	9.											9.	0.1
ENE	9.	9.	9.									1.9	4.3
w	1.3	o.	9.									2.6	8.4
ESE		5.0										2.6	5.5
SE	1.9	6.0	6.1									10.3	6.4
SSE	1.3	1.1	0.6	9.								1.80	9.9
65	2.6	14.8	11.0	0.								29.0	6.1
SSW	7.1	3.2	1,3									11.6	3.4
*	1.3											1.3	2.0
WSW													
,													
WNW													
*	9.	9.										1.3	3,5
NNN	9.	9.	9.									1.9	5.7
RBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	13.5	
	20.0	38.7	25.8	1.9								100.0	4.7

DIRNAVOCEANMET SMOS

93901 STATION

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

9

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YEARS

WEATHER CLASS

NOURS (L.S.T.)

AUG

MEAN	.6 3.0	1.9 2.0	1.9 3.7	5.8 4.4	5.2 4.8	3.2 4.6	7.7 5.8	12.9 4.1	25.8 5.5	15.5 3.8	1.9 1.7	0.1 9.			0.8 9.	2.6 4.5		13.5	
34 - 40 41 - 47																			
28 - 33																			
17 . 21 22 . 27																			
= 50 10 10 10 10 10 10 10 10 10 10 10 10 10				9.	m		9.	7	1.3	9					•			$\left\langle \right\rangle$	
7 - 10			9.	9. 6	.3 1.3	9	2 1.3	.1 1.3		•					9.	6		$\left\langle \right\rangle$	
1.3	9.	1.9	1.3	2.6 1.9		9.5	5.2	4.5	5.8 11.0	7.7 7.	1.9	9.				6.1 9.		X	
SPEED 1 DIR.	z	N N	¥	ENE		ESE	35	SSE	s	SSW		WSW	*	WNW	W	NMM	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION STATION NAME

73-77

DALLAS, TEXAS

93901 STATION

00 HOURS (L.S.T.)

AUG

7 - 10 11 - 16 17 - 21 22 - 27
1,3
9.
1.3
9.
9.
3.2
1.6 2.6
1.3
9.
9.
7.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

VEARS		STATION NAME
	73-77	DALLAS, TEXAS
	(FROM HOURLY OBSERVATIONS)	(FR
	DIRECTION AND SPEED	
SURFAC	PERCENTAGE FREQUENCY OF WIND	NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL MEATHER

CONDITION

1.2 HOURS (L.S.T.)

AUG

MEAN WIND SPEED	2 9.2	2 6.2	2 6.8	0.7 0.	_			5.9	1 7.0	2 6.8			9.0		0.01 0.0			1	0 5.2
*	3.2	3.2	3.2	•	7.	5.8	15.5	54.	18.1	5.2	2.6	1.9	•		•			7.1	100.0
۲۱ 8																		$\langle \rangle$	
48 - 55																		\bigwedge	
41 - 47																		\bigwedge	
34 - 40																		$\langle \rangle$	
28 - 33																		$\langle \rangle$	
22 - 27																		\bigwedge	
17 - 21																		\bigwedge	
11 - 16	1.9		9.		9.			9.	2.0									\bigwedge	6.5
7 - 10		9.		0.			9.	4.00	7.7	2.6		9.			•			\bigvee	21.9
9.4	1.3	2.6	2.6		3.	3.2			2.8	1.9	1.9							\bigvee	41.9
1.3					3.9	5.6	5.2	5.8	1.9	.0	9.	1.3	9.					\bigvee	22.6
SPEED (KNTS) DIR.	z	N.	Ä	ERE	w	ESE	38	SSE	s	ASS	MS	MSM	*	MNM	×	MNN	VARBL	CALM	

106E6

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

15 HOURS (L.S.T.)

AUG

YEARS

73-77

STATION NAME

DALLAS, TEXAS

10666 STATION

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
		1.9		0.								2.6	7.0
NNE	9.	9.	1.9									3.2	6.8
	1.9	9.	0.	1.3								4.5	6.3
ENE	1.3		1.3									2.6	5.5
	3.2	1.3	1.3									5.00	3.9
ESE		5.8	3.8									0.6	6.2
	4.5	4.5	6.1	9.								11.6	4.6
SSE	5.5	12.9	4.5	1.3								63.9	5.5
	4.5	1.1	11.0	1.9								54.5	9.9
SSW	9.	1.9	1.3									3.9	5.8
SW			9.									9.	10.0
WSW													
	9.											9.	3.0
WNW		1.3										1.3	5.0
MNN		9.	0									1.3	7.0
=													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	4.5	
	22.6	38.7	28.4	5.8								100.0	5.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CONDITION

18 HOURS (LS.T.)

AUG

YEARS

73-77

ALL WEATHER

SPEED 1 - 3 DIR.	9.	1.3		9.	9.	1.3	1.3	5.6			1.3		9.	0.				11.0
* :			9.	2.6	1.1	7.7	5.5	3.6	7.1			9.		9.	0.	1.3	X	36.8
7 - 10		6.1	1.3	2.6	6.5	8.4	4.5	7.7	4.5	0.			9.			1.3	\bigvee	0.09
1 . 16					1.3	9.	3.9	5.6	1.3								\bigvee	7.6
17 - 21																	\bigvee	
22 · 27																	\bigvee	
28 - 33																	\bigvee	
34 - 40																	\bigvee	
4 - 4																	\bigvee	
48 - 55																	\bigvee	
% AI																	\bigvee	
*	9	3.2	1.9	5.0	15.5	18.1	3.4.8	16.1	12.9	9.	1.3	9.	1.3	1.3	9.	2.6	2.6	100.0
MEAN WIND SPEED	3.0	5.6	7.0	6.2	7.0	8.9	7.6	7.6	6.7	7.0	2.5	0.9	0.0	3.5	0.9	7.0		4.7

166

1000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS	ALL WEATHER CLASS	AUG	HONTH	21	HOURS (L.S.T	
	ALL WEATHER	7	YEARS			

MEAN WIND SPEED	4.5	O . 80	4.5	4.5	9.9	.3	1.,	1.5	5.5	4.6			0.4		0.4	0.4			6.3
*	1.3	9.	1.3	2.6	17.4	21.3	18.1	16.8	0.6	3.2			1.3		9.	1.9		4.5	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		X	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21						9.												\bigvee	9.
11 - 16					9.	1.3	1.3	1.3	9.	9.								\bigvee	5.8
7 - 10		g.	9.		5.6	11.0	6.1	0.6	2.6									\bigvee	39.4
9.4	1.3			2.6	0.6	1.,	2.5	6.5	3.9	9.			0.		9.	1.3		\bigvee	38.7
1.3			٥.		1.9	1.3	1.9		1.9	1.9			9.			9.		\bigvee	11.0
SPEED (KNTS) DIR.	z	W Z	w Z	ENE		ESE	SE	SSE	5	SSW	SW	WSW	*	MNM	MN	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

18150 00351

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

MEAN WIND SPEED

SURFACE WINDS JAN 78

5.5

5.6

5.6

2.9

6.2 6.5

350

4 . 8

0.4 4 . 3 2000

100.0

9.0

28.4

38.5

19.9

0018 5.5

1240

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

73-77

ALL WEATHER

STATION NAME

DALLAS, TEXAS

YEARS

ALL HOURS (L.S.T.)

AUG

SPEED (KNTS) DIR.

z

ENE

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SSE SSE

z	ï				
3	٠				
=	,				
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3	ı				
ï					
5					
•					
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	1			1				1			1						
*	1.8	2.3	2.1	3.1	8.3	10.0	12.1	17.7	21.9	7.7	1.7	1.0	9.	.5	9.	1.5	7.4
VI 85																	\bigvee
48 - 55																	X
41 - 47																	\bigvee
34 - 40																	\bigvee
28 - 33																	\bigvee
22 - 27																	\setminus
17 - 21						•											\bigvee
11 - 16	4.	• 1	€.	.2	.3	۳.	1.0	1.0	7.5	· .							\bigvee
7 - 10	.2	1.		9.	2.3	30	3.3	6.3	8.6	1.2	.2	2.			. 2	4.	X
9.4	. 8	0.	9.	1.1	3.6	4.6	5.0	7.4	0.6	2.8	9.	2.	• 1	.3	.3	.,	\bigvee
e.	4.	æ	œ.	0	0.3	.5	**	5.	2.1	3.1	6.	9.	. 5	.2	. 1	. 3	V

WSW

SSW

S

WNW

*

¥NN VARBL CALM

ž

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION STATION NAME

NOURS CLS.T.

SEP

7 . 10 11 . 16 17 . 21
4.0
• 7
. 1.
1.3
5.3
2.7 2.0
7. 0.4
9.3 1.3
1.3
29.3 5.3

10

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION 93901

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

D

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

CONDITION

O3 HOURS (L.S.T.)

SEP

YEARS

73-77

STATION NAME

DALLAS, TEXAS

WEAN WIND SPEED	4.3	7.0	3.3	3.0	4.5	3.8	4.0	7.4	7.1	2.0	1.3	4.0	4.5	0.0	2.8	4.3			4.4
*	10.0	2.7	0.9	1.3	2.7	4.0	4.7	11.3	20.0	3.3	2.7	1.3	1.3		5.3	0.4		18.7	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16								1.3	0.4									\bigvee	0.9
7 - 10	1.00	2,0			1.		7.	4.7	0.9	. 1						1,3		\bigvee	18.0
4 • •	1.4	. 7	3.3	1.	. 7	2.0	2.0	4.7	0.9	1.3				1.	1.	1.3		\bigvee	29.3
1.3	0.4		2.7		1.3	2.0	1.3		4.0	1.3	2.7	.7	. 7		4.7	1.3		\bigvee	28.0
SPEED (KNTS) DIR.	z	ZZ	¥	ENE	W	ESE	SE	SSE	s	SSW	AS.	WSW	*	MNM	WN	MNN	VARBL	CALM	

=

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

5.8 0.4 5.3 4.3 4.0 0.4 5.5 6.3 6.3

ZZ

Z Z

w

SE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION

YEARS

DO HOURS (L.S.T.) MONTH SEP

MEAN WIND SPEED 7.3 2 5 6 4 17 3 3 3 0.4 6.63 0.9 . 40. 7 56 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 91 - 12 • . 1.3 0.0 2.1 . 2.0 . . . 7 - 10 6.1 2.0 2.0 0.9 2.0 . 13907 3.3 1.3 2.0 1.3

WSW WSW

SSW

s

*NX NN X

*

0.

3.5

3.1 6.4

TOTAL NUMBER OF OBSERVATIONS

150

4.3

100.0

0.9

22.0

25,3

25.3

CALM

1

VARBL

21.3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

STATION 93901

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

STATION NAME

DALLAS, TEXAS

CONDITION

HOURS (L.S.T.)

SEP

MEAN WIND SPEED	7.7	7.0	6.3	4.5	4.5	3.8	7.2	6.1	9.8	9.6	0.6	2.0	7.0	0.6	5.1	5.7			6.2
*	12.0	0.4	4.7	2.7	6.7	3.3	6.7	10.0	18.0	5.3	2.7	1.3		1.	0.4	0.4		13.3	100.0
ام 95																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																			
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 - 16	2.7	L.					5.0	1.	6.9	5.0	L.							\bigvee	18.0
7 - 10	0.9	1.	2.0	1.	1.3	. 7	1.3	0.4	4.7	2.0	2.0		1.		1.3	1		\bigvee	28.7
9.4	2.0	6.7	1.3	1.	2,0	1.	2.0	1,3	2.7	1.					1.3	3,3		\bigvee	20.7
1.3	1.3		1.3	1.3	3.3	2.0	1.3	4.0	1.3	. 7		1.3			1.3			X	19.3
SPEED (KNTS) DIR.	z	NN	NE	ENE	w	ESE	SE	SSE	s	SSW	WS.	wsw	*	WNW	WW	WNW	VARBL	CALM	

9880

150

TOTAL NUMBER OF DESERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

12 HOURS (L.S.T.) SEP YEARS 73-77 ALL WEATHER CONDITION STATION NAME DALLAS, TEXAS

2.0 1.3 2.0 3.3 2.0 1.3 2.07 1.3 1.3 2.07 2.0 2.0 2.0 2.07 2.0 2.0 4.0 5.3 5.3 6.0 1.3 4.7 4.0 6.7 1.3 4.7 2.0 8.0 8.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 85	×	WEAN WIND SPEED
2.0	z	2.0	1,3	2.0	3.3								8.7	7.8
1.3 1.3 2.07 1.37 1.37 2.0 2.0 2.0 2.0 2.7 2.0 2.7 2.0 2.7 2.0 2.7 2.0 2.3 2.0 2.7 2.0 29.3 20.07 1.3 2.7 2.0 29.3 20.07 1.0 1.3 2.7 2.0 29.3 20.07 1.0 1.0 2.0 29.3 20.07 1.0 1.0 2.0 29.3 20.07	NN N	2.0		1.3									0.4	4.5
2.0 2.0 2.0 2.7	m Z	1.3	1.3	2.0									5.3	7.0
2.0 2.0 2.0 4.0 2.0 2.7 1.3 4.7 4.0 6.0 1.3 4.7 4.0 16.0 1.3 4.7 2.0 8.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	ENE		1.3	6.									2.1	6.3
2.0 2.7 1.3 4.7 4.0 16.0 16.0 16.0 16.0 17.3 17.3 17.3 17.3 17.3 17.3 17.3 17.3		2.0	2.0	2.0									6.7	5.3
2.0 2.7 4.7 4.0 1.3 4.7 4.0 1.6.0 1.6.0 1.3 4.7 2.0 20.3 20.0 .7 2.0 29.3 20.0 .7 22.0 29.3 20.0 .7	ESE	5.0		1.3									0.4	4.8
1.3 4.7 4.0 16.0 16.0 16.0 16.0 1.3 4.7 2.0 29.3 20.0 .7 7.3 100.0 100.0	SE	2.0	2.7										5.3	4.9
1.3	SSE	0.9		4.7	0.4								0.97	6.8
1.3 1.3 2.0 8.0 20.7 2.0 8.0 20.0 29.3 20.0 .7 7.3 2.0 29.3 20.0 .7 7.3 2.0 20.0 20.0 20.0 20.0 20.0 20.0 20.	s			5.3	5.3								14.7	9.5
1.3 1.3 .7 .7 .1 .1.3 .7 .1 .1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	SSW	1.3		4.7	2.0								8.0	8.9
., 7 ., 7 ., 1.3 ., 7 ., 7 ., 7 ., 1.3 ., 7 ., 7 ., 7 ., 1.3 ., 7 ., 2., 2.0 ., 3 ., 3 ., 3 ., 3 ., 3 ., 3 ., 3 .,	SW		1.3	1.3									2.7	7.3
1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	WSW													8.0
1.3 1.3 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	*													0.6
20.7 22.0 29.3 20.0 .7	*N*		1.3										1.3	2.0
20.7 22.0 29.3 20.0 .7	××		٠.	.,									2.1	7.5
20.7 22.0 29.3 20.0 .7	*NY	•	2.7	2.7	2.0	•							8.7	4.8
20.7 22.0 29.3 20.0 .7	ARBL													
22.0 29.3 20.0 .7	ALM	\bigvee	7.3											
		20.7		29.3		.9							100.0	6.7

666

DIRNAVOCEANMET SMOS

1259 62181

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3556

93901 STATION

-

150

150

TOTAL NUMBER OF OBSERVATIONS

-

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL MEATHER CONDITION

NOURS (L.S.T.)

SEP

YEARS

73-77

STATION NAME

DALLAS, TEXAS

WIND
*
95 \
48 - 55
41 - 47
34 - 40
28 - 33
11.16 17.21 22.27 28.33 34.40 41.47 48.55
17 . 21
11 - 16
7 - 10
4.6
1.3
SPEED (KNTS)

MEAN WIND SPEED	0.8	6.5	9.9	5.7	5.5	4.1	6.7	6.2	8.9	7.0	20.0		0.8	5.8	7.8	8.6			9.9
*	11,3	10.0	4.7	2.0	0.4	8.0	8.7	12.7	15.3	4.7			1.3	2.7	2.7	4.7		6.7	100.0
N 26																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21											•							\bigvee	.7
11 - 16	1.3		.7				2.0	1.3	0.4				.7		.7	2.0		\bigvee	14.0
7 . 10	7.3	4.7	. 7	1.		2.0	2.0	3.3	္ အ	2.0				1.3	.7	1.3		\bigvee	34.0
9.4	1.3	4.7	7.7	1.3	2.7	2.7	1,3	5,3	2.0	. 1			. 7	.7	.7			\bigvee	27.3
1.3	1.3	.7	.,			3.3	3.3	2.7	1.3	1.3				. 7		.,		\bigvee	17.3
SPEED (KNTS) DIR.	z	NNE	ž	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WN	MNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

4.5

1.1

MEAN WIND SPEED

28 . 33

27

22

17 - 21

11 - 16

7 - 10

..

SPEED (KNTS) DIR.

Z

8.4 6.3 5.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

HOURS (1.5.T.)

MONTH 18

SEP

CONDITION

*	10.01	9.3	8.7	8.7	8.1	10.0	10.7	6.6	12.7			2.0	5.3	6.0	100.0
95 4														\bigvee	
48 - 55														X	
41 . 47														\bigvee	
34 . 40														X	

2.1

1.

1.3

0000

2.0

m m

w

3.3 0.0 3.3 0.4

5.3 1.3

m -

SE

8

HEDE

5.3

10.0

8 8 0 0 8

TOTAL NUMBER OF OBSERVATIONS

150

6.1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2.0

1.3

1.

1.3

* ××

SSW SW

8.7

28.7

41.3

16.7

CALM

NNN VARBL

ž

93901 STATION

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

21 HOURS (LS.T.) YEARS 73-77 ALL WEATHER DALLAS, TEXAS

SEP

SPEED (KNTS) DIR.		4.6	7 - 10	91 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	% AI	*	
z	2.7	3.3	2.0									3.0	
NNE	3.3	3.3	1.3	1.3								6	
a z	3.3	1.3										4.1	
ENE	0.4	2.7										6.7	
w		5.3	2.0	1.								8,0	
ESE	1.3	6.4	2.7	1.3								6.9	
SE	2.7	2.7	5.3	1.3								12.0	
SSE	2.0	2.7	0.4	2.7	-							12.0	
s	2.7	2.7	2.7	2.7								10.7	
SSW													
SW													
WSW													
*		•										1.3	
WNW													
¥		1.3										1.3	
NNN		3,3	2.0									0.9	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6.3	
	24.0	33.3	22.0	10.7								100.0	

93901 STATION

DIRNAVOCEANMET SMOS

1111

150

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

COMBITION

ALL HOURS (L.S.T.)

SEP

YEARS

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION ALL WEATHER

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
z	2.6	2.7	3.7	1.2								10.3	4.9
NN	1.7	2.7	1.5	€.								6.2	5.4
a a	1.7	2.2	1.0	.2								5.1	5.5
ENE	1.4	1.5	4.	2.								3.5	4.8
	1.7	8.3	1.2	7.								0.9	5.1
ESE	1.7	2.5	1.9	7.								9.0	5.3
	1.9	2.2	2.5	1.1								7.7	9.9
SSE	2.2	3.2	4.2	7.1	•							11.2	6.8
s	2.2	4.2	5.7	4.1								16.2	0.8
SSW		30.	7.4	9.								3.6	7.4
3	9.	2.	* •	٦.	•							1.3	6.1
WSW	.2		7.									. 5	4.7
	.2	.3	·	7.								1.1	6.2
WNW	6.	s.	• (4)									1.2	5.1
3	1.4	6.	.3	~								2.8	4.7
*NN	1.1	1.7	1.2	1.0	.2							5.5	8.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	11.6	
	21.9	28.6	26.5	11.1	45							100.0	2

N 92181

9ZZ/

DIRNAVOCEANMET SMOS

1200

2

NOURS (L.S.T.)

UC T

YEARS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

CONDITION

ALL MEATHER

STATION NAME

DALLAS, TEXAS

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 95	*	WIND WIND SPEED
z	4.5	3.9	9.	0.								6.4	4.5
N N	9.	9.										1.3	3.5
¥	1.3											1.3	2.0
ENE	1.3		9.									1.9	4.7
	5.7	c.										2.6	3.5
ESE		3.2	1.9									5.5	6.3
SE	1.9	1,3	6.1	1.9								7.1	7.6
SSE	9.	1.9	7.1	1.3								11.0	7.8
s	3.9	2.2	7.1	3.8								19.4	7.1
SSW	5.8	1.3		٥.								7.7	3.4
SW	₹.5	9.										0.0	2.3
WSW	1.3												2.0
*	9.		6.1									1.9	6.7
WNW	€*1	9.		9.								2.6	4.3
××		9.	9.									1.3	0.9
NNW	9.	6.1	£ • 1									3.0	6.2
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	18.1	
	29.0	21.9	22.6	4.8								100.0	4.7

0000

2008

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

106E6

30

0.8 0.8

MEAN WIND SPEED

. 33

28

22 - 27

17 - 21

11 - 16

7 - 10

.3

SPEED (KNTS) DIR.

8.7

2 2 6

0.6 4.1

5.0

0.4

7.7

000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

STATION NAME

DALLAS, TEXAS

CONDITION

ALL WEATHER

HOURS (L.S.T.)

100 MONTH

181 12 . 55 8 41 - 47 34 - 40

5.5

27.7

2.5

S SE SSE S

9.

0 6 7 6

2.6

0

0 1 9

WSW

SSW

WNW N N VARBL CALM

3

5.5

1.3

...

9.

2000

00 6.1

9.

3.5 1.3

0

TOTAL NUMBER OF OBSERVATIONS

155

6.4

100.0

DIRNAVOCEANMET SMOS

7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

18150 24351

93901 STATION

11.6

21.3

18,1

31.0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

HOURS (LS.T.)

C T

YEARS

73-77

STATION NAME

DALLAS, TEXAS

SPEED (KNTS) DIR.	1.3	9.4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	95 AI	*	MEAN WIND SPEED
z	9.		9.		0							1.9	9.3
NNE	9.	9.	9.	9.								2.6	7.3
NE NE	1.9		9.									2.6	0.4
ENE		9.	1.9									2.6	7.5
		0.										9.	2.0
ESE	4.5	2,6	1.3									4.00	4.2
SE	1.3	1.9	9.	1.3								5.2	0.7
SSE		3,2	3.2	1.3								7.7	0.8
s	3.9	3.9	3.00	1.9								15.5	6.5
SSW	3.2	3.9	6.1									0.6	4.6
SW	3.9											3.9	2.0
WSW	3.2	1.3										4.3	2.1
*			9.									9.	7.0
WNW	9.	1.3	1.3									3.2	9.9
XX		5.6	1.3									3.9	7.0
NNN	5.6	6.1	9.	1.3								6.5	5.7
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	X	M	X	X	X	21.3	
	26.5	24.5	20.6	6.5	ç.							100.0	4.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

-

155

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME

09 HOURS (L.S.T.)

DC.T

CONDITION

	•	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
9.	1.9	2.6	1.0								7.1	8.1
			9.								9.	14.0
0.	1.3	1.3									3.2	5.6
1.3			9.								1.9	5.7
1.	9.	3.5									2.5	6.1
9.	5.0	0.									0.0	8.4
1.9		1.3	1.9								7.1	6.7
5.8	3.9	3.0	1.3								14.8	2.4
1.3	4.5	4.8	3.8								17.4	8.2
3.6	3.2	5.0	1.3								10.3	6.1
1.	9.	9.									3.2	4.4
	1.9										1.9	4.7
	1.9	1.3									3.2	7.2
	٥.		g.								1.3	8.0
9.	1.9	1.3	1.3								2.5	3 · 8
X	$\langle \rangle$	X	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	13.5	
19.4	27.1	27.1	12.9								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

1559

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

12 HOURS (LS.T.) OCT. YEARS 73-77 ALL WEATHER CONDITION STATION NAME DALLAS, TEXAS

1.3 3.2 1.9 1.3 1.3 1.3 3.2 1.3 .6 1.9 1.3 1.3 2.6 1.9 1.3 2.6 1.9 2.6 1.9 3.1 3.1 3.1 3.3 3.2 1.3 3.2 1.3	1.3 3.2 1.9 4.5 1.3 1.3 .6 .6 .6 .6 .6 1.9 1.3 1.3 2.6 1.9 1.3 2.6 1.9 2.6 2.6 2.5 2.6 2.6 1.9 2.6 2.6 1.3 3.2 1.9 2.6 1.3 3.2 1.9	1.3 3.2 1.9 4.5 1.3 1.3 .6 2.6 .6 .6 2.6 1.9 1.3 2.6 1.9 1.3 2.6 1.9 2.6 2.6 1.9 2.6 2.6 1.9 2.6 2.6 1.3 3.2 1.9 3.2 1.9	SPEED (KNTS) DIR.	-:	•	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	34 - 40 41 - 47	 41 . 47
3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	z	1.3	3.2	1.9	4.5						
3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.3 .6 1.9 2.6 1.3 .6 1.3 .6 1.3 3.2 1.9	3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .9 1.3 .9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.3 .6 1.3	3.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .9 2.6 1.9 2.6 1.9 5.2 4.5 9.0 8.4 .6 1.9 2.6 .6 1.9 2.6 .6 1.9 2.6 .6 1.3 3.2 1.9 .6 1.3 3.2 1.9	N.	1.3			9.						
3.2 1.3 .6 1.9 1.3 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.9 2.6 6 1.3 6 1.3 6 1.3 6 1.3 6 1.3 6 1.3	3.2 1.3 .6 1.9 1.3 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 6 1.3 3.2 1.9	3.2 1.3 .6 1.9 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 5.2 6 1.9 6 1.9 2.6 6 1.9 2.6 6 1.9 2.6 7.6 1.9 7.6 1.3 7.7 1.9	¥	9.		9.							
3.2 1.3 .6 1.9 1.3 1.3 2.6 1.9 1.3 5.2 4.5 9.0 8.4 5.2 6 1.9 2.6 6 1.3 2.6 6 1.3 .6 1.3 3.2 1.9	3.2 1.3 .6 1.9 1.3 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 5.4 1.9 2.6 6 1.3 2.6 6 1.3 3.2 1.9	3.2 1.3 .6 1.9 1.3 2.6 1.9 1.3 5.2 4.5 9.0 8.4 5.2 6.1 9. 8.4 6.1 9. 2.6 7.6 1.3 7.6 1.9 7.6 1.3 7.7 1.9 7.7 1.9	ENE										
1.9 1.3 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 6 1.3 3.2 1.9	1.9 1.3 1.3 2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 7.6 1.3 6 1.3 7.6 1.3	1.9 1.3 1.3 2.6 4.5 6.5 2.6 1.9 3.4 5.2 4.5 9.0 8.4 5.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6		3.2	1.3	9.							
2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 6 1.3 3.2 1.9	2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 6 1.3 3.2 1.9 6 1.3 3.2 1.9	2.6 1.9 1.3 4.5 6.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.3 2.6 6 1.3 6 1.3 6 1.3 6 1.3 6 1.3 6 1.9 6 1.9	ESE	1.9	1,3	L.							
5.2 4.5 9.0 8.4 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 6 1.3 6 1.3 6 1.3 3.2 1.9	5.2 4.5 2.6 1.9 5.2 4.5 9.0 8.4 6 1.9 2.6 6 1.3 2.6 2.6 .6 1.3 6 1.3 3.2 1.9	2.6 6.5 2.6 1.9 2.6 6.4 6.5 2.6 1.9 2.6 6.4 6.5 2.6 1.3 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	SE	5.6	1.9	1.3							
5.2 4.5 9.0 8.4 .6 1.9 2.6 .6 1.3 2.6 .6 1.3 .6 .6 1.3 3.2 1.9	5.2 4.5 9.0 8.4 .6 1.9 2.6 .6 1.3 2.6 .6 1.3 .6 .6 1.3 3.2 1.9	5.2 4.5 9.0 8.4 .6 1.9 2.6 .6 1.3 .6 .6 1.3 .6 .6 1.3 3.2 1.9	SSE	4.5	6.5	2.6	1.9						
2.6 .6 1.3	2.6 .6 1.3 .6 1.3 .6 1.3 .6 1.3	2.6 .6 1.3 6 1.3 3.2	•	5.5	4.5	0.6	4.8	9.					
2.6 .6 1.3 .6 1.3 .6 1.3	2.6 .6 1.3 .6 1.3 .6 1.3 .6 1.9	2.6 .6 1.3 .6 1.3 .6 1.3 .6 1.9	SSW		9.	1.9	5.6						
2.6 .6 .6 1.3 .6 1.3	2.6 .6 1.3 .6 1.3 .6 1.3 3.2	2.6 .6 1.3 .6 1.3 3.2 .6 1.3 3.2	SW		0.	1.3							
2.6 .6 11.3 .6 11.9	2.6 .6 1.3 .6 1.3 3.2	2.6 .6 1.3 .6 1.9 .6 1.3 3.2	WSW		9.								
.6 1.3	6 1.3 3.2	6 1.3	>	2.6	9.								
.6 1.3 3.2	6 1.3 3.2	6 1.3 3.2	WNW	9.		1.3							
.6 1.3 3.2	.6 1.3 3.2	.6 1.3 3.2	×	9.		1.9							
	VARBL	CALM	NNN	9.	1.3	3.5	1.9						

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DIRNAVOCEANMET SMOS

155

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEAN WIND SPEED	8.8	5.9	7.0	1.0	4.4	3.7	2.0	8.3	8.5	9.8	12.0	4.8	3.0		7.1	0.6			6.9
*	12.3	4.5	4.5	9.	3.2	6.5	6.5	15.5	22.6	5.6	9.	5.6	0.		5.2	3.9		5.2	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21								9•	9.	9.								\bigvee	1.9
11 - 16	3.2		0.				9.	3.9	5.8	9.	9.				9.	1,3		\bigvee	16.8
7 . 10	5.8		1.3		9.	9.	1.3	7.1	0.6			9.			1.9	1.3		X	31.0
9.4	5.6	3.6	1.3		9.	2.6	3.9	1.3	5.8	9.		1.3			1.9	1,3		\bigvee	25,8
1.3	9.	9.	1.3	0	5.1	3.2	3.9	5.6	1.9	9.		9.	g.		9.			\bigvee	19.4
SPEED (KNTS) DIR.	z	NZ.	WZ.	E E	w	ESE	SE	SSE	s	SSW	AS.	WSW	*	WNW	¥N	MNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

10666 STATION

1.8 HOURS (L.S.T.)

T DO MONTH

YEARS

73-77

STATION NAME

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

CONDITION

ALL WEATHER

MEAN WIND SPEED	7.5	5.4	3.6	3.2	3.4	3.9	9.9	9.9	5.6	4.5		3.0		2.0	8.3	8.3			5.1
*	7.7	5.0	4.5	0.00	6.4	4.00	10.3	14.8	14.2	1.3		1.3		9.	2.6	5.8		0.6	100.0
\$																		X	
48 - 55																		X	
41.4																		X	
34 . 40																		X	
28 - 33																		X	
22 - 27																		X	
17 - 21															9.	9.		X	
51 . 1	5.6	9.					1.3	9.	1.3							1.3		X	7.7
7 . 10	9.	1.3			9.	9.	2.6	5.8	3.5						9.	1.3		X	16.8
9:	2.6	1.9	5.6	1.3	3.8	3.9	5.5	5.8	4.5	1.3					1.3	1.9		X	35.5
1.3	1.9	1.9	1.9	3.0	5.8	3.9	1.3	2.6	5.2			1.3		9.		9.		X	7.66
SPEED (KNTS) DIR.	z	N.	¥	ENE	w	ESE	35	SSE	~	SSW	AS.	WSW	*	WNW	¥	NNN	VARBL	CALM	

80

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5702 SURFACE WINDS JAN 78

SURFACE WINDS

100

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) YEARS ALL MEATHER CONDITION

73-77

DALLAS, TEXAS

93901 STATION

21 HOURS (L.S.T.) MONTH DCT

MEAN WIND SPEED	5.6	3.0	3.0	0.4	6.4	5.9	7:	6.9	5.1	4.7	2.0	2.0	2.5	0.9	6.3	5.0			4.4
*	4.5	8	9.	2.6	6.9	6.5	11.6	11.0	12.3	3.9	1.3	9.	1.3	1.9	1.9	5.2		19.4	100.0
85																			
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
12 - 71																		X	
11 - 16	9.						1.3	9.		9.								X	3.2
7 - 10	3.2	9.			1.3	3.5	5.5	5,8	3.2					9.	a •	1.3		X	25.2
9.4	3.2			1.9	3.9	1.3	5.6	3.2	5.6	1.3				1.3	1.3	2.6		M	27.7
1.3	5.6	3.2	9.	9.	1.3	1.9	5.6	1.3	3.9	7.0	1.3	ç.	1.3			1.3		X	24.5
SPEED (KNTS) DIR.	z	NNE	az Z	ENE		ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WM	*NN	VARBL	CALM	

9000

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

-

155

101

ALL HOURS (L.S.T.)

UCT MONTH

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

STATION HAME

DALLAS, TEXAS

93901 STATION

YEARS

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

NNE

E E

w

MEAN WIND SPEED	7.3	5.2	5.0	5.1	4.3	4.6	9.9	7.0	7.3	5.4	3.4	2.8	4.3	6.3				5.4
*	8.3	3.1	2.4	1.9	9.4	κ. α	7.8	12.0	19.0	6.5	2.3	1.5	1.5	1.9	2.6	5.3	13.4	10000
۸۱ کو																	\bigvee	
48 - 55																	X	
41 - 47																	X	
34 - 40																	\bigvee	
28 - 33																	X	

3.5

6.7 1 . 7

. O.

SSW

... 8.4

43.25.5

3.8

SSE SE

1888

-

1240

TOTAL NUMBER OF OBSERVATIONS

9

10.9

24.0

25.6

25.6

-

.

2.0

WNW

*

ž

WSW

SW

NNW

CALM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5 1 1 1

100

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NO.	KLAOM	00	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	COMBITION
DALLAS, TEXAS	STATION NAME			

(KNTS) DIR.	5	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
z	2.0	1.3	2.7	3.3								6.3	8.2
NNE	2.0	.7										3.3	0.4
Z.	1.	. 7										1.3	4.0
ENE												. 7	1.0
	1.3	1.3										2.7	3.0
ESE	1.3	1.3										2.7	4.3
SE		.3	2.0	2.0								6.0	10.1
SSE		2.0	3.3	7.0								7.3	6.3
50	3.3	0.4	1.3	4.1	1.3							20.7	8.9
SSW	3.3	3,3	1.3	1.								8.7	5.2
SW	2.0											2.0	1.7
WSW													2.0
×		2,0		7.3								3.3	8.0
*NY		٠.	2.0	1.3								0.4	8.7
¥	1.3	5.3	2.0									8.7	5.8
MNE	2.0	3,3										0.9	6.4
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	12.7	
	20.7	27.3	21.3	16.0	2.0							100.0	6.2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

73-77

DALLAS, TEXAS

YEARS

HOURS (L.S.T.)

NO.

CONDITION

NNE 2.7 2.0 .7 .7 .7 .7 .7 .7 .7 .7 .77	2.7 2.07 1.3 1.3 2.0 7. 4.0 4.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 2.0 3.3 .7 2.0	2.7 2.07 7 7 7 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	2.7 2.07 1.3 1.3 2.0 7. 4.0 4.0 1.3 4.7 6.0 5.3 3.3 2.0 5.3 3.3 2.0 7. 5.3 3.3 2.0
2.077	1.3 1.3 2.0 1.3 4.7 6.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 4.7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 7.7 6.0 1.3 7.7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 7.7 6.0 1.3 7.7 6.0
1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 5.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 5.0 1.3 .7 2.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 5.0 2.0 2.7 .7	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 7 2.0 2.0 2.7 2.0
1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 4.7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 6.0 1.3 .7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 6.0 2.0 2.7 2.0
1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 .7 2.0 2.7 .7	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 6.0	1.3 1.3 2.0 1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 6.0
1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 5.0 1.3 .7 5.0	1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 5.0	1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 2.0 2.0 2.7 .7	1.3 4.7 6.0 5.3 3.3 2.0 3.3 .7 6.0 1.3 .7 2.0 2.0 2.7 .7
3.3 4.7 6.0 3.3 .7 2.0 1.3 .7 .7	1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 .7 2.0 2.7 .7	1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 2.0 2.0 2.7 .7	1.3 4.7 6.0 5.3 3.3 2.0 1.3 .7 2.0 2.0 2.7 .7 2.0 2.7 .7
3.3 .7 2.0 1.3 .7 .7	3.3 .7 2.0 1.3 .7 .7 2.0 2.7 .7	3.3 .7 2.0 1.3 .7 2.0 2.0 2.7 .7	3.3 .7 2.0 1.3 .7 2.0 .7 3.3 2.0 2.0 2.7 .7
3.3 .7 1.3 .7 .7 3.3 2.0	3.3 .7 1.3 .7 2.0 2.7 .7	3.3 .7 1.3 .7 2.0 2.7 .7 2.0 2.7 .7	3.3 .7 1.3 .7 2.0 2.7 .7 2.0 2.7 .7
1.3	2.0 2.7 2.0	1.3 .7 2.0 2.77 2.0 2.77	1.3 .7 .0 2.0 2.7 .7 .7 .7 .7 .7
7. 3.3 2.0	2.0 2.7 2.0	2.0 2.7 .7	2.0 2.7 2.0 2.0 2.7 .7
.7 3.3 2.0	2.0 2.3 2.0	2.0 2.7 .7 .7 .7 .7 .7 .7	2.0 2.7 .7 2.0 2.0 2.0 .7
	5.0	2.0 2.7 .7	2.0 2.7 .7

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1526

93901 STATION

DIRNAVOCEANMET SMOS

2880

150

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

188

SURFACE WINDS

73-77

STATION NAME

DALLAS, TEXAS

ALL WEATHER

YEARS

0.6 HOURS (L.S.T.)

NON

CONDITION

-		-		The second secon	Name of Street, or other Persons and Other Perso		The second second second	The second secon	The second secon	The second secon			
SPEED (KNTS) DIR.	1 . 3	9.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	95 <1	%	MEAN WIND SPEED
z	.7	1.3	0.4	2.7								2.0	8.5
NNE	۲.	2.0	1.3									0.4	5.3
m Z		1.										1.3	3.5
FNE												1.3	3.5
E		1.3										2.0	0.4
ESE	.7		1.									1.3	5.3
SE	1.3	1.3	1.									0.4	0.9
SSE		4.7	2.1	3.3								10.7	8.2
s	2.0	3,3	5.3	1.3								16.0	7.3
SSW	3.3	2.7	1.3	١.								0 80	5.4
3W	2.7	1.3										0.4	2.8
WSW	1.3											1.3	5.5
*	1.3	F . 1		1.3								0.4	5.8
WNW	1.3	1.3	2.1	1.3	•							7.3	8.7
×	1.		1.3									2.7	8.0
MNN	2.7	2.7		5.0								6.1	6.5
VARSL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	X	X	X	16.0	
	20.7	24.7	24.0	14.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

1410

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

HOURS (L.S.T.)

VOV

YEARS

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION

SPEED (KNTS) DIR.	1.3	• •	7 - 10	91 . 11	17 - 21	22 - 27	28 · 33	34 . 40	41 - 47	48 - 55	% AI	8	WEAN WIND SPEED
z	1.3	2.7	3,3	3.3	1.							11.3	8.6
N.		1.3										1.3	4.5
¥			.7	٠٠								2.0	7.7
ENE	1.3											1.3	2.0
w		2.7										3.0	5.4
ESE	`.	2.0	1.3									4.0	5.8
SE		2.7	5.3									6.7	0.9
SSE	1.3	o•2	3.3	3,3								10.0	8.5
s	2.7	2.0	7.3	5.3								17.3	8.2
SSW	2.1	2.0	2.7	2.0								6.6	1.4
NS.	2.0											3.3	5.8
WSW													3.0
*			1.3									2.0	6.7
WNW			2.7	5.0	1.3							6.7	11.3
¥	.7	1.3	.7	2.0								4.7	7.9
NN	5.0	2.0		0.4								8.7	8.5
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	7.3	
	16.7	16.7 22.0	28.7	23.3	0.0							100.0	7.3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

...

150

9.2 4.4

2.4 9.0 0.9

6.8 9.6 8.9

1001

0.0

7.8

1:

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

SURFACE WINDS

WEATHER CLASS ALL

STATION NAME

DALLAS, TEXAS

73-77

YEARS

12 HOURS (L.S.T.)

NOV

CONDITION

22 - 27

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

0.7

2.7

z

10.8 0.9 4.5 MEAN WIND SPEED 4.0 12

100.0 48 - 55 41 - 47 34 - 40 28 . 33

> 2.7 .

2.03

1.3 2.7 2.0

1.3

2.1

S SE SE

1.3

.

1.3 2.0

w

TOTAL NUMBER OF OBSERVATIONS

5.3

32.7

26.0

24.0

10.7

CALM

VARBL

.

. .

2.0

WSW

3

¥s

N N

*NX

1.3

SSW

150

8.3

-

2

18150 PESSI

93901

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

DALLAS, TEXAS

93901 STATION

CONDITION

YEARS

15 HOURS (1.S.T.)

NON

34 - 40 41 - 47 48 - 55 256																			0.001
17 - 21 22 - 27 26 - 33 34							7.		1.3 .7	.7					7.				2.7 1.3
7 - 10 11 - 16 1	4.0 4.0	2.0		7. 7.		1.	0.4	4.7 4.7	3.3 7.3	3.3	2.0 .7	2.7 1.3	1.3 2.0	1.3	1.3 2.0	3.3 4.0			34.7 28.0
1.3	1.3	2.0 1.3	1.		1.3	.7 2.0	7. 2.7	2.7 2.7		1. 1.	1.3		7.	7.	2.0 1.3	1.3			
SPEED (KNTS) DIR.	z	N.	a a	ENE	E	ESE	SE	SSE	s	SSW	SW	wsw	*	WNW	¥	MNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION STATION NAME DALLAS, TEXAS

18 HOURS (L.S.T.)

NON

2.7 2.7 2.7 2.7 3.3 4.7 5.3 1.3 4.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 2.0 3.3 4.7 1.3 2.0 3.3 4.7 1.3 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.0 2.0 3.3 1.377 4.0 4.7 6.0 1.37 4.0 4.7 2.7 2.7 1.3 7.7 2.7 2.7 2.7 1.3 7.7 2.7 2.7 2.7 1.3 7.7 2.7 2.7 2.7 1.3 7.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7
3.3 4.7 11.16 17.21 22.27 1.3 1.3 .7 1.3 .7 2.27 2.27 2.27 2.27 2.27 2.27 2.27	2.0 3.3 4.7 11.36 17.21 22.27 2.0 3.3 4.7 1.3 2.0 2.7 2.7 2.7 2.0 2.0 3.3 1.3 .7 1.3 4.0 4.7 6.0 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7
3.3 4.7 1.3 1.3 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 .7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1.3 4.6 7.10 11.16 17.2 2.0 3.3 4.7 1.3 1.3 1.3 .7 1.3 2.0 5.3 1.3 .7 4.0 4.7 6.0 1.3 4.0 4.7 2.7 .7 1.3 .7 .7 .7
3.3 4.7 10 11 3 4.7 5.1 5.2 1.3 4.7 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	1.3 4.6 7.10 11 2.0 3.3 4.7 7.1 2.0 2.2 2.0 2.7 2.7 2.7 2.7 4.7 6.0 4
	2.0 3.3 1.3 1.3 2.0 5.3 2.0 5.3 4.0 4.7 4.7 4.7 1.3 7.7
	2.0 2.0 2.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7

1111

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 MEATHER CONDITION ALL DALLAS, TEXAS

21 HOURS (L.S.T.)

NON

MEAN WIND SPEED	6.8	4.6		2.3	4.3	7.4	0.6	8.5	7.8	3.6	1.00		2.7	8.8	5.0	6.1			0.9
×	16.0	3.3		2.0	2.7	5.3	4.7	10.7	16.7	5.3	0.4		2.0	0.4	0.9	0.9		6.6	100.0
85 Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21	1.								2.0									X	2.7
11 - 16	2.7						۲.	0.4	2.7					1.3		1.3		X	13.3
7 - 10	2.7	. 7			7.	2.7	2.7	2.7	3.3					1.3	2.7			\bigvee	20.7
9.4	5,3	1.3			1.3	2.0	1.3	0.4	7.3	2.0				.7	2.0	2.0		\bigvee	30.0
1.3	4.7	1.3		2.0	. 7				3.3	2.7	0.4		1.3	.7	1.3	5.0		\bigvee	24.0
SPEED (KNTS) DIR.	z	NNE	an N	ENE		ESE	SE	SSE	9	SSW	3₩	WSW	*	WNW	¥N	NNN NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

YEARS

WEATHER

ALL HOURS (LS.T.)

NOV.

CONDITION

MEAN WIND SPEED	6 8.2	4 5.3	0.9 /				7 7.2		_	_								3	0 6.8
*	10.6	3.4	1.	1.3	2.	3.6	5.	11.4	16.	,	3.3	1.9	5.9	5.6	6.5	7.0		8.3	100.0
85 AI																		\bigwedge	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27									7.									\bigvee	.2
17 . 21	• 5						.2		7:7	• 2	•			4.	•			\bigvee	2.2
11 . 16	3.1	7.	.2	₹.		.2		3.0	4.4	1.0	.2	2.	۲.	1.5	1.2	2.1		\bigvee	19.0
7 - 10	3.2	7.	.2	.2	• 2	6.	2.1	3.1	5.6	1.7	• 2	٠.	5.	23	∞ • T	1.0		\bigvee	25.0
4.6	2.6	1.1	1.0	۲.	1.7		2.2	3,3	2.0	2.2		2.	1.1	1.2	7.7	5.6		\bigvee	26.3
1.3	1.5	1.3	2.	5.	30.	5.	۲.	1.4	5.4	5.4	o•2	9.	•	9.	7:1	1.3		\bigvee	18.9
SPEED (KNTS) DIR.	z	N.	w Z	ENE		ESE	SE	SSE	8	SSW	3W	WSW	*	WNW	ž	MNW	VARBL	CALM	

TO U

1200

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

0.6

7.1

MEAN WIND SPEED

*

75

48 - 55

17 - 21

11 - 16

7 - 10

. 3

SPEED (KNTS) DIR.

5.0

5.0

0.

9.

3.0

00

5.0

1.3

1866

28.1

0.00

0.0

2.2

3.2

SSW

2.0 2.6 5.6

3.5

1.9

SSE SE

ESE

1.9

w

0

¥ % %

4.0

6.7

2.6

1.3

1.30

1.3

0.0

6.1

1.3

3.9 1.3

WSW

*

SW

1.5 3.9 1.9

3.5

1.3 1.3

WNW N N VARBL CALM

6.1

.

17.4

25.2

25.2

19.4

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION

ALL MEATHER

YEARS

HOURS CLST.

DEC

CONDITION

-		-	 	-	_	 	_	 _
	41 - 47							
	34 - 40							
	28 - 33							
	22 - 27							

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155

6.2

100.0

11.6

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1550

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 DALLAS, TEXAS

ALL WEATHER

YEARS

STATION NAME

HOURS (L.S.T.)

DEC

CONDITION

SPEED (KNTS) DIR.	1.3	4.6	7 . 10	11 . 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	VI 95	*	MEAN WIND SPEED
z	9.	1.9	2.6	2.6	9.							3.4	9.1
NN	1.9	0										2.0	3.5
ž	s.		9.									1.03	0.4
ENE	0.											9.	3.0
2	9.											9.	2.0
ESE	0.	6.5	c.									2.6	5.3
SE	0.	9.	9.	9.								2.6	6.1
SSE	9.	3.6	1.9	1.3		0.						7.7	8.3
S	1.9			3.6	9.							15.5	6.5
SSW	3.2	1.1	4.5	9.								15.5	5.5
SW.	7.0	1.9										3.9	2.8
WSW	2.6	Q.	g.									3.5	3.5
*	6.1	1.3		9.								3.9	4.3
N	9.	٥.	2.6	9.								4.5	7.6
ž	1.3	1.3		5.6								5.2	8.0
NNN	9.	4.5	3.6	1.3								0.6	9.9
VARBL													
CALM	\bigvee	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	12.3	
	20.6	27.1	21.9	16.1	1.3	0.						100.0	6.0

3000

**

155

TOTAL NUMBER OF OBSERVATIONS

18150 PERSI

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2

93901 STATION

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

0.6 HOURS (L.S.T.)

DEC

CONDITION

SPEED (KNTS) DIR.	1.3	9:+	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	۸۱ %	*	MEAN WIND SPEED
z	9.	3.9	ç.	1.3								6.5	4.9
NNE	9.											9.	3.0
W.		9.										9.	5.0
ENE		9.										9.	0.4
		1.3										1.3	0.4
ESE	9.	1.9	9.									3.2	5.2
SE	1.3	3.2		9.								5.5	2.6
SSE		1.3	2.6	0.								4.5	8.9
s	3.2	5.6	5,8	5.6	1.9							19.4	7.8
SSW	2.5	3.9	3.2	1.3								11.0	6.2
SW	5.6	o.										3.2	3.2
WSW	6.1	9.										5.6	2.5
*		1.3		9.								1.9	0.8
WNW		1.9	1.3	9.								3.9	7.5
××	6.1	9.	1,3	5.6	9.							7.1	6.6
NNN	5.2	1.3	3.2	1.9	9.							12.3	7.0
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	X	X	X	\bigvee	X	\bigvee	\bigvee	16.1	
	50.6	29.0	18.7	12.3	3.2							100.0	5.7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

CALLAS, TEXAS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER CONDITION STATION NAME DALLAS, TEXAS

HOURS (L.S.T.)

DEC 60

WEAN WIND SPEED	9.6	3.3	2.7	5.7	3.0	3.5	7.5	1.1	9.6	7.3	0.4	4.0		9.5	11.3	8.5			7.0
æ	6.9	1.3	5.1	1.9	0	1.3	2.6	13.5	12.9	15.5	1.3	1.3	4.5	1.3	0.6	11.0		13.5	100.0
95 AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21									9.0	•					en -	9.		X	3.2
11 - 16	2.6						9.	1.9	5.5	1.9			1.9	٥.	5.6	1.9		\bigvee	19.4
7 - 10	2.6			9.			0.	5.5	3.5	6.5		9.	9.		3.0	4.5		X	28.4
9.4	0.	c.	9.	1.3		0.	1.3	4.3		3.9	9.		1.3	9.	1.9	5.6		X	21.9
1 - 3	9.	Φ.	1.3		9.	9.		1.9	6.1	5.6	9.	9.	9.			1.3		X	13.5
SPEED (KNTS) DIR.	z	W X	w Z	EN.	w	ESE	SE	SSE	s	SSW	SW	wsw	*	MNM	¥	NNN	VARBL	CALM	

1000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

STATION MAME

DALLAS, TEXAS

93901 STATION

73-77

YEARS

12 HOURS (L.S.T.)

DEC

CONDITION

SPEED 1 - 3 DIR.	1.3	o.	¥	ENE		ESE	SE 2.6	3.2	S	SSW	AS.	9. WSW	9.	WNW	×	9. WNN	VARBL	
9.4	9.	1.9	r.3	1.3	1,3	1.3	1.9	3.9	9.5	7.7	1.3	0.	9.	9.	5.6	1.3		*
7 - 10	2.6	1.9					1.3	1.3	7.7	9.	9.	1.9	1.3	1.9	9.	1.3		-
11 - 16	1.9		9.					1.9	7.1	3.2	1.3	9.	3.9	2.6	1.9	5.2		*
17 - 21	9.							g.	1.3	1.3						9.		
22 - 27									1.3						9.			1
28 - 33																		1
34 - 40																		1
41 - 47																		1
48 - 55																		1
الا و																		
*	7.1	4.5	1.9	1.9	1.3	1.3	2	11.0	20.0	6.5	3.2	0.00	6,5	5.2	(E)	0.6		6 25
WIND SPEED	6.5	6.3	7.0	3.7	4.5	4.5	4.4	7.1	11.5	12.5	9.6	7.	11.3	10.1	7.6	11.0		

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

155

MEAN WIND SPEED

12

55 48

. 47 4

34 - 40

28 . 33

22 - 27

17 - 21

11 - 16

7 - 10

4 - 6

1.3

SPEED (KNTS) DIR.

...

2.6

5.0 9.

3.2

1.3

9 0

z z z z

10.2 4.5 4.4 4.4 10.6

WINDS SURFACE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

YEARS

ALL WEATHER

1.5 HOURS (L.S.T.) MONTH OEC

0

9. 5.6

3.5

0.1

900

SSW SW WSW

0.

1.3 5.6

•

2.5 1.03

0000

0 1 1 2 1 1 2

1.3

S SE S

1.3

2.6

4.33

0.2

0

WNW N XX VARBL

*

3.5

3

1.6

3.2

9.1

11.4

4.3

TOTAL NUMBER OF OBSERVATIONS

155

8.6

100.0

0

4.5

29.7

29.0

18.7

12.9

CALM

4.5

SMOS DIRNAVOCEANMET

12130 52181

63901

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

10

10

E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1.8 HOURS (L.S.T.) 73-77 WEATHER CONDITION ALL DALLAS, TEXAS

SPEED (KNTS) DIR.	1.3	4 . 6	7 - 10	11 - 16	17 . 21	22 - 27	28 · 33	34 · 40	41 - 47	48 - 55	% AI	*	
z	3.2	3.2	9.	1.3	9.							0.6	
NN	1.9	۲.										3.0	
¥	1.3	9.										1.9	
ENE		5.6		9.								3.2	
w	3.9	c.	1.9									6.5	
ESE	1.9											5.8	
SE	1.3	3.2	1.3	9.								6.5	
SSE	2.6	3.9	5.6	2.6								11.6	
s	2.6	5.6	4.5	3.2								15.9	
SSW	9.	2.6	9.									3.9	
SW													
WSW	1.3		9.									1.9	
*	1.3	9.	9.	9.	0	9.						4.5	
WNW	9.	1.3	2.0	9.								5.2	
WN			1.3	1.3								5.2	
NNN	1.9	2.6	3.2	5.6	9.							11.0	
VARBL													
CALM	\bigvee	7.1											
	24.5	32.3	20.0	13.5	6 . 1	4						100.0	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

10666

DIRNAVOCEANMET SMOS

5016

155

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALLAS, TEXAS		DEC
STATION NAME	YEARS	MONTH
ALL NEATHER		21
CLASS		HOURS (L.S.T
COMBITION		

SPEED (KNTS) DIR.	1.3	9 . 4	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 . 47	48 - 55	8	*	
z	1.3	1.3	0.	1.9								5.2	
NNE	9.	9.	1.3									2.6	1
Z.	£ • 1											1.3	1
ENE													1
	1.9	1.3	9.									3.9	1
ESE	9.	3.5	9.	9.								5.5	1
SE	9.	1.3	1.3	9.								3	1
SSE	9.	5.5	4.5	5.0								12.9	1
s	3.2		4.5	3.8								16.8	1
SSW	1.9	1.9		1.3								5.2	1
*S	9.		9.										1
WSW	1.9											1.9	1
*	1.3	1.3	9.									3.2	1
WNW	9.	2.0	9.	1.3								5.2	1
×	9.	1.9	1.3		9.							6.4	
*NY	9.	1.9	3.9	4.5								11.0	1
VARBL													1
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	16.1	1
	18.1	24.5	20.6	18.7	1.9							100.0	II

I

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

ALL HOURS (L.S.T.)

DEC

SPEED (KNTS) DIR.

3.8 5.5 5.5 5.1 6.6 8.3 4.8 8.5 8.0 5:1 MEAN WIND SPEED 2 2 2 3 3 2 3 3 6.9 10.8 100.0 8 12 55 8 . 47 4 34 - 40 28 - 33 . ~ . 22 - 27 -• 2.7 00 2 4. -17 - 21 • 19.7 2.0 2.0 11 . 16 23.4 1.0 5.3 2.4 9. 1.0 7 - 10 2.9 25.4 2.2 4.0.1 4.6 1.2 1.9 1.3

> WSW * ××

S¥.

SSW

s

SE SE

.

NNK VARBL CALM

ž

1101

8199

1240

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93901 STATION

DALLAS, TEXAS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

1 E 8

ALL HOURS (LST.)

ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS ALL

CONDITION

WIND	7.6	5.5	5.3	5.1	2.4	6.1	6.9	0.	8.6	6.1	5.1	5.9	7.8	8.2	8.1	6.1			6.7
*	9.9	3.3	2.3	2.1	6.4	5.3	7.4	12.8	20.9	6.9	2.3	1.5	2.3	2.7	7.5	5.8		8.6	100.0
% A1																		\bigvee	
48 - 55																		X	
4.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33											0.							X	0.
22 - 27	0.					0.	0.	0.	.2	0.	0.	0.	0.	0.	0.	0.		X	4.
17 - 21	7.	0•	0.		0.	0.		~	20	-	0.	-	•		.2	r3		X	2.1
11 - 16	1.4	7.	7.		6.	\$.	1.0	5.5	5.4	6.	2.	7.	••	9.	6.	7.4		X	16.2
7 - 10	2.0	1.	**		1.1	1.5	5.4	4.8	7.2	1.1	• 3	.3	9.	æ.	1.2	1.6		X	27.1
9.	1.9	. 3	0.1	6.	7.7	7.7	9.3	3.6	2.0	2.1	ď.	**	9.	æ	7.5	1,6		X	27.9
. 3	1.2	1.0	1.	1.	1.4	1:1	1.3	1.6	5.4	2.1	1.2	1.	in.	3.	4.	0.1		X	17.8
SPEED (KNTS) DIR.	z	NN	ž	ENE		ESE	SE	SSE	s	SSW	NS.	WSW	*	WWW	××	WNW	VARBL	CALM	

6000

*

14607

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

DALLAS, TEXAS

INSTRUMENT

ALL HOURS (L.S.T.)

ALL

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MURE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1.3	9.+	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4 . 47	48 - 55	% AI	*	MEAN WIND SPEED
z	1.0	10	3.0	7.	•							6.6	7.3
W.	1.4	2,1	1.0	.3								6.4	5
¥	1.0	1.0	·									2.7	5.5
ENE	5.	8.1	6.	. 2								3.4	6.2
	1.8	1.5	1.4	5.	•							5.8	5
ESE	Ø2	5.3	5.	7.0	2.							23	7.3
SE	1.0	2.8	2.6	7:1								7.6	7.1
SSE	1.0	4.3	6.4	9.5	7.							13.1	
s	1.3	2.8	5.5	3.6								13.6	6.8
SSW		9.	ۥ	.2	-:							1.9	6.2
SW	5.	2.										6.	. 4
WSW	.3			.1		. 1						9.	8
*		1.	a•	.2	.2							5.6	6.
WNW	.2	0.1	1.7	1.0		7.						6.6	8.6
¥	.3	2.1	1.3	2.1	-2							6.5	8
NNN	1.0	3.0	3.4	3.0	• 5							10.9	8.6
VARBL													
CALM	\bigvee	6.3											
	13.6	30.8	28.6	183	2.4	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1247

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

NWSD, Federal Building Asheville, N. C.

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- 1. Annual all years and all hours combined
- By month all years and all hours combined By month by standard 5-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown ferring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

7.72	41	2 Al Al	N N	VISIBILITY (SIGNOTE MILES)
98.3		0 40	- 10	- ()

Read ceiling values independently of visibility under column at right headed ≥ 0 . For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet < 3 miles, subtract the value read from the table at the intersection, which is 91.0, and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile.

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when summary will, of course, be limited to period of available data. NOTE: # 1:
- Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below: # 5:

TENTHS	0 H M 4 W W B	, S
		(or obscured)
OKTAS		8 (or

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

2

00 HOURS (1 S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	۲ ا	9 AI	2 5	۸۱	κ VI	≥ 21%	1 2	2 1%	71 7	- 1	% AI	∦ *	٧ /١	≥ 5/16	7	٥
NO CEILING	_		0.09	0.09	0.09	0.09	0.09	0.09	0	0	0.09	0.09	0.09	0.09	0.09	0.09
2005	40.7	61.9		0.00	61.0	61.0	610	61.0	000	61.0	200	0 0	61.9	-		619
1 1 000	60.7	6.19	61.9	61.0	6.1.9	61.9		61.9	6119	61.9		:	61.9	61.9	: -	6119
14000	60.7	61.9	61.9	61.9	6.19	61.9	6.10	61.9	6.19	6119	-	6119	-	61.9	6119	61.9
	61.3	62.			62.6	62.6	62.6	+	5.6	2.	2.	•	2	5		95.0
VI VI 000 000 000 000 000 000 000 000 000 0	9.0	0	63.9	63.9	63.0	63.9	63.6	63.8	63.0	63.9	63.6	63.6	63.6	63.6	63.69	63.6
	65.2	66.5		9	. 0	6 9	9 0		9	0	0		0			9
7000	6000	57.7			67.7	67.7				7.		67.7	57.7	67.7	67.7	67.7
0009	6.90	67.7	67.7	67.7	67.7	67.7	67.7	7.7	67.7	67.7	67.7		67.7	67.7	67.7	67.7
	0.69	-	70.3	70.3	70.3	10.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
VI V	70.3	71.6	71.6	71.6	71.6	71.6	71.6	•	-	•	•	71.6		71.6	•	71.6
	7.00	o a	74.8	77. 8	72.9	72.8	7, 8	74. 8	4	72.9	74.8	74.8	74.8	72.9	74.8	74.9
300	74.8	75.3				76.8	34.		76.8				. 9			
	74.8	77.		77.4	77.4	77.4	77.4	77.4	-	77.4	77.4	77.4		77.4		77.4
> 2000	76.1	79.	79.4	79.4	4.61	79.4	6	79.4		79.4	79.4	19.4	79.4	79.4	79.4	4.61
7 1800	77.4	80	80.7	0	80.7	80.7	80.7	0.7		80.7	80.7	80.7	80.7	80.7	80.7	80.7
	80.7	84.5	84.5	84.5	84.5	-	84.5	84.5	10	84,5	84.5	84.5	84.5	84.5	84.5	84.5
VIV	80.7	85.2		5.5	3	85.2	85.2	2.	•	5	50		85.2	200		
	813	20 00 20 00	2 x	20 00 00 00	85.8	2 2	20 CC	25.00	20 00	2 2 2	85.0	85.0	85.8	85.0	35.0	2000
141	2 6	20.00			. 0	86.5		6.5		. 0				86.5		
700		85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
		86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	-	88.4	88.4	88.4
200	81.9		88.4	88.4	88.4	88.4	89.0	0.68		89.7	89.7	1.68	89.7	89.7	1.68	1.68
	82.6	-+	91.0	91.0	92.9	92.9	93.6	93.6	93.6		34.5		94.2	94.2	94.2	94.2
8 8 AIA	82.6	5	33.6	93.6	6.56	95.5	96.1		0	8.96	96.8	8.96	96.8	96.8	8.96	96.8
	82.6	6	93.6	93.6	95.5	95.5	96.1	90.8		97.6	91.4	4.16		97.4	91.64	97.4
80	82.6	-		93.6	95.5	5.00	1.96	96.8	8.06	4.16	08.1		98.1	1.86	98.1	98.1
-1		9100	93.6	93.0	95.5	98.5	96.1	200	8006	97.4	98.	73.	96	98.	98.71	0000

TOTAL NUMBER OF OBSERVATIONS

155

3066

1326

59.4

39.4

59.4

0.09

0.09

0.09

61.9 64.3

61.9

61.9

64.5

64.5

67.1

67.1 67.1

67.1

67.1

67.1

65.2

65.2

71.6

72.9

72.9

71.6 72.9 78.1

78.1

78.1

71.6

67.7

57.7

80.7

81.9

81.9

85.2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YEARS

HOURS (L S T

VISIBILITY (STATUTE MILES)

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2

٨١

(FEET)

NO CEILING × 20000 55.9 52.9

51.0 52.9

VI VI 18000 16000

55.5 55.5

53.6

9000

55.5

55.5

53.6

58.1

58.1

55.5 56.1

56.1

54.2

8000

AI AI

54.5

54.2

Y 14000

٨١

۸۱

2 5/16

12 ٨١ 54.2

54.2

54.2

54.5

54.5

54.2 55.5

55.5

56.8

56.8

80.8

56.8

56.8

56.8

57.4 59.4

54.2

54.2

54.5

54.2

(FROM HOURLY OBSERVATIONS)

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

80.7 80.7 80.7 80.7 80.7 60.0 60.0 60.0 60.0 60.0 85.2 85.2 57.4 56.8 54.5 59.4 24.5 55.5 56.8 61.9 65.2 71.6 72.9 54.5 54.5 78.1 81.9 64.5 67.7 67.1 67.1 67.1 67.1 * 11 87.4 71.6 56.8 72.9 56.8 65.2 54.2 55.5 64.5 78.1 81.9 2.45 29.4 54.5 619 67.1 85.2 54.2 ۸Ι 55.5 56.8 6119 71.6 54.2 56.8 57.4 64.5 65.2 72.9 78.1 81.9 54.5 67.1 80.7 85.2 54.2 59.4 67.7 83.2 ٦ ٨ 54.2 54.5 78.1 56.8 57.4 59.4 83.2 54.2 64.5 56.8 67.1 71.6 72.9 80.7 85.2 61.9 67.1 67.7 81.9 55.5 65.2 55.5 56.8 54.5 54.5 81.0 59.4 72.9 0.09 67.1 80.8 61.9 83.8 85.2 64.5 65.2 71.6 80.7 80.7 7 67.1 67. 54.2 24.5 71.6 65.2 72.9 54.2 57.4 57.4 0.09 78.1 81.9 83.2 83.2 56.8 59.4 61.9 64.3 67.1 67.7 85.2 55,5 67.1 7 54.2 56.8 6119 54.2 55.5 56.8 \$6.65 0.00 65.2 65.2 65.8 67.1 67.1 67.1 72.9 78.1 81.9 85.2 64.5 70.3 71.6 71.6 54.2 65.2 78.1 79.4 80.7 80.7 2 2 1/2 80.99 72.9 81.9 58.7 38.7 58.7 60.0 54.5 51.0 52.9 52.9 52.9 54.2 55.5 56.3 56.1 56.1 57.4 59.4 60.7 60.7 60.7 61.9 65.2 78.1 83.2 85.2 54.2 54.5 54.2 55.5 64.5 66.5 67.7 67.1 ۸I 63.0 71.6 58.5 80.7 63.2 03.8 76.8 81.9 83.2 58.1

62.6 62.6

63.2

63.2

62.6 95.0 62.6 63.2 66.5

3500

11 11

60.09

4500

AI AI

000

58.1

5000

TOTAL NUMBER OF OBSERVATIONS

155

1111

6.76

91.6

91.6

91.6

91.0

91.0

0.16 91.6

85.8 87.1 88.4 90.3

88.4

85.8

77.4

77.4

300

77.4

500

91.0

87.7

87.7 91.0 8.96

4.16

1.96

96.1

86.5

80

.96

1.96

96.1

8.46

8.46

10

0.16

016 91.6

87.7

86.5

86.5

86.5

86.5

86.5

86.5

86.5

36.5

86.5

84.5

83.2

83.2 81.9

76.8

200

84.5

77.4

81.9

80.7

74.8

808

76.1

74.2

4.64

70.3

70.3

69.0 69.0

75.5

71.0

1500

ALAI

2500

١٨١٨

78.1 80.7

73.6

1000

11 11

65.2 65.2

87.7 91.0

87.7

DIRNAVOCEANMET

SOWS

17595-95181

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

0.6 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
(FEET)	V 70	9 Al	۲۱ که	A	12 3	≥ 2%	2 2	₹1 کے	¥1 ¥	, i	% AI	*	۱۷ ٪	≥ 5/16	XI	٨١
NO CEILING	49.0	52.9	22.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.0	53.6	53.6	53.6	53.6	53.6
		54.	4		• •	I.	· K	3	1	w	2	12	5	5	3	
> 16000	51.0	1 15	54.8		55.5	55.5	55.51	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
> 14000	-	54.	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	5.		55.5		55.5
× 12000	51.6	55.5			56.1	56.1	9	56.1	9	56.1		. 9	0	56.1	56.1	56.1
7 10000	54.5	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	54.2		58.1	58.7	58.7	58.7	58.7		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
8000	56.1		60.7	61.3	61.3	01.3	61.3	61.3	61.3	61.3	61.3			61.3	61.3	61.3
	57.4	0	61.9	62.6	62.6	62.6	62.6	62.5	62.6	62.6	62.6	2.		62.6	62.6	62.6
0009 3	57.4	0			9.29	62.6	0	62.6	62.6	~	2	2	2		9.29	65.6
	57.4	-	62.6		•	63.2	63.2	3		63.2	153	3	3	LL?	63.2	
V 4500	0	10	64.5	65.2	65.2	5.50	65.2	65.2		150	65.2	65.2	65.2		65.2	65.5
	60.7	-		66.5	66.5	0			66.5	9			9	9	66.5	6000
2 3500	60.7	60	65.8	64.9	6.99		66.5	0	.0	66.5	66.5	•	0	9	60.99	6009
1	60.7	60	•		66.5	67.1	•	67.1	•	7	67.1	7.		07.1	•	67.1
> 2500	61.9	67.7		4.89	4.69	0.69	0.69	0	0	0.69	0.69	0	•	0.69	0.69	0.69
	65.8	71.6	71.6			2	72.9	72.9	72.9	3.	2	2	~	3		72.9
V 1800	65.8	71.6	71.6	72.3	72.3	72.9	72.9		72.9	2,	45.9	72.9	72.9	72.9	72.9	72.9
1	69.7	76.8	76.8	78.1	78.1	•	78.7			0		60		00		
7 1200	70.3	78.1	78.1	20.4	19.4	80.0	30.0	0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	71.0	78.7	4.62	80.7	80.7	-	81.3	81.3			81.3			91.3	81.3	
006	71.0	78.7	19.4	80.7	81.3	81.9	81.9		81.9		81.9	-	-	-	81.9	
	72.3	80.0	80.7	82.6	83.2	63.9	83.9	3	83.9	6	83.9	3	83.9	83.9		83.9
1 700	74.2	82.6	83.2	85.2	85.8	36.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
009 A1	75.5	83.9	84.5	86.5	87.7	38.4	88.4	0.68	89.0	80.0	0.68	89.0	89.0	89.0	89.0	89.0
200	76.1	2	35.8	80.4	89.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	76.1	~	36.5		91.0	2.	65.6		94.2	34.5	2.46		94.2	94.2	94.2	94.2
300	76.1	2	87.1	80.06	92.3	93.6	95.3	8.96	8.06	96.8	96.8	.0		8.96	8.96	8.96
	76.1	88.2	87.1	90.3	92.3	93.6	95.5		8.06		96.8	8.96	96.8	96.8	8.96	8.96
	76.1	N	87.1	90.3	92.3	93.6	98.5	8.96	96.8	8.96	4.16	4.16	4.16	4.16	98.1	4.66
۸۱	76.1	2	87.1	0	92.3		98.5		96.8	0	4.16	97.4	4.16	98.1		0.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

93901 STATION

THE REPUICE DETACHMENT, ASHEVILLE, NC

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.9 HOURS (L S T) JAN

=

CERING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۰ ۱	\$1 81	۸I ۲	es Al	> 21/2	Al Al	۷۱ ۲٪	VI VI	- AI	% Al	*	Z Al	≥ 5/16	VI Z	٨١
NO CEILING	40.7	0, 4	43.9	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
18000	in i		:	50.0		200	120	52.3	52.3	52.3	No	52.3	52.3	NE	20	52.3
¥ 14000 ¥ 12000	10.0	10	0.64	50.3	-	200	2.		NI	N:	200	52.3	100		100	
	0.0	000	52.00	54.2	300	. 0					90		00	00	00.	
	0 0 0	23.0	• •			57.4	37.4	57.4	57.4	57.4	57.4		57.4	57.4	57.4	57.4
1	51.6	55.5	55.5		00		0			0		59.4	0	0	0	
	54.5	58.7	58.7	60.7	61.3	62.6	62.6		- 2	62.6	62.6	61.3	61.9	62.0	61.9	61.9
1	54.2	58.7	•	0		0	2	2	2	2.	2.	2.	2	2.	2.	
3200	2 2 2 2 2 2	60.0	60.09	61.9	63.2	63.0 63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
> 2500	57.4	64.3	64.5	66.9	67.7	4.80	58.4		4.89	4.89.4					00 0	
VI VI 0 80 0 80 0 80	4 4	67.1		000												71.0
1	0 0 0	74.2	:	· α			9 00	· ·	00 0	· α (00 0		30 0		000	78.1
1	65.00	76.1	76.1		0 0		80.0		0 -	80.0	0 -		80.0	0-		80.0
8 %	66.5	78.1	::				83 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83.8	83.2		83.2		6 9		m 0	
VI VI 8 8	67.7	80.0		83.9		57.7	87.7			92.3	89.0	89.0			89.0	
8 8 1 1 1 1	67.7	1.	81.9	84.5	0.68	91.0	91.6		No	93.6	93.6		6 9		93.6	
VI VI 8 o		80.7	81.9	84.5	89.0	91.0	91.6	94.2	94.2	95.5	95.5	95.5	96.8	98.1	98.1	99.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS STATION NAME

93901

12 HOURS (1 S T)

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

v v v v v v v v v v v v v v v v v v v	VISIBILITY (STATUTE MILES)	≥ 3 ≥ 2½ ≥ 2 ≥ 1½ ≥ 1¼ ≥ 1 ≥ 34 ≥ 34 ≥ 1½ ≥ 1/6 ≥ 1½	52.3 52.3 52.3 52.3 52.3 52.3 52.3 52.3	65.5 35.5 55.5 55.5 55.5 55.0 55.0 55.2 32.5 32.5 35.5 3	35.5 35.6 55.5 55.5 55.5 55.5 55.5 55.5	.5 55.5 55.5 55.5 55.5 55.5 55.5 55.5 5	.1 56.1 56.1 56.1 56.1	56.8 56.8 56.8 56.8 56.8 56.8 56.8	6.8 56.8 56.8 56.8 56.8	.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58	0.7 60.7 60.7 60.7 60.7 60.7 60.7 60.7 6	61.9 61.9 61.9 61.9 61.9 61.9 61.9 61.9	64.5 64.5 64.5 64.5 6	65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 6	0.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3 7	72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3	73.6 73.6 73.6 73.6 73.6 73.6 73.6 73.6	74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2	78.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1	83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2	87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7	89.7 89.7 89.7	9.7 90.3 90.3 90,3 90.3 90.3 90.3 90.3	2,3 9	.3 93.6 94.8 95.5 95.5 95.5 95.5 95.5	93.6 94.8 96.1 96.8 96.8 96.8 96.8 96.8 96.8 96.8	4.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4	4.8 96.6 98.1 9	93.6 94.8 96.8 98.7 99.4100.0100.0100.0100.0100.0100.0100.	93.6 94.8 94.8 98 7 99 4100 0100 0100 0100 0100
28. 51. 651. 651. 651. 651. 651. 651. 651.	-	ΛI	6 51.6	200	5 4	30	5		1 5601		0.09 0	-		2 65 . 2	2 65.2	7 67.7	7 69.7	71.	72.	73.	76.	81.	86.	1 87.1	7.87.7	0.68 0	3 90.3	0 91.0	0.16	0.19 0	0 91.0	0.10
		27.00		+		-		-	-		-	-	-	-	-	-	0	-			-		œ		-		-	_	-	-	-	7 91.
			51.	54.	4	54.	5.5	56.	56.	58.	59.	.00	63.	64.			.69	71.	72.	72.	70.	80.	84.	84.	85.	86.	87.	87.	87.	87.	87.	r x

TOTAL NUMBER OF OBSERVATIONS

195

SOWS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASA TEXAS STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

65.2 78.7 81.9 71.6 71.6 76.8 72.9 72.9 AI 71.0 93.6 69.7 71.0 71.6 76.8 78.7 81.9 65.8 65.8 0.69 0.68 8 . 46 83.2 85.8 88.4 88.4 91.6 ٨١ 71.0 83.2 4.88 1.69 71.6 93.6 65.2 76.8 89.0 91.6 62.6 63.9 63.9 78.7 94.8 96.1 0.60 71.6 72.9 72.9 2 5/16 71.0 71.6 81.9 93.0 98.4 88.4 0.69 85.8 65.8 78.7 78.7 78.7 78.7 62.6 62.6 62.6 62.6 62.6 65.2 65.2 69.7 69.7 71.6 71.6 76.8 76.8 89.0 89.0 65.2 65.2 1.96 1.96 1/2 ٨I 71.6 93.6 62.6 65.8 65.8 65.8 88.4 88.4 88.4 62.6 63.9 63.9 0.69 0.69 72.9 72.9 81.9 81.9 81.9 88.4 88.4 62.6 71.0 85.8 54.8 91.6 8.46 1.96 98.1 ٨١ 69.7 71.0 71.0 71.6 93.6 65.2 65.8 85.8 94.8 62.6 62.6 76.8 83.2 89.0 54.B 91.6 96.1 1.86 ۲ ۱۸ 71.6 71.6 76.8 88.4 93.6 62.6 52.0 62.6 62.6 63.9 0.69 0.69 69.7 69.7 69.7 72.9 72.9 72.9 72.9 85.8 91.6 96.1 65.2 71.0 71.0 71.0 83.2 89.0 54.8 8.96 98.1 ٦ ا VISIBILITY (STATUTE MILES) 76.8 88.4 93.6 71.6 85.8 91.6 94.2 9.7.6 65.5 62.6 62.6 62.6 62.6 63.8 65.2 65.2 65.8 65.8 71.6 78.7 81.9 81.9 88.4 88.4 89.0 89.0 89.0 83.2 83.2 7 ۸۱ 85.8 4.76 63.6 0.69 71.6 76.8 91.6 65.2 28.4 93.6 93.6 78.7 95.5 3.46 71.0 71.6 78.7 83.2 71.6 94.2 62.6 62.6 63.9 65.2 65.2 76.8 85.8 37.1 87.1 87.7 38.4 88.4 54.8 62.6 9.29 65.8 0.69 1.69 95.5 81.9 85.8 88.4 91.6 7 71.0 71.0 71.0 83.8 72.9 71.6 71.6 80.7 81.3 81.9 91.6 93.6 94.2 96.8 54.8 62.6 63.9 63.9 63.9 65.2 76.8 87.7 88.4 95.5 65.8 0.69 78.7 89.0 21/2 ٨١ 71.6 01.9 62.6 62.6 62.6 62.6 6.26 71.6 0116 61.9 62.6 62.6 62.6 62.6 65.2 65.2 65.2 65.2 65.8 65.8 65.8 68.4 69.0 76.8 78.7 81.3 81.9 81.9 82.6 88.4 65.6 95.5 71.6 72.3 72.3 72.9 84.5 85.2 94.2 54.8 ۸I 65.2 70.3 71.0 71.0 80.3 0.69 0.69 89.7 92.3 87.1 87.1 91.6 78.1 54.8 76.1 07.1 ٨١ 71.0 68.4 80.0 80.7 84.5 87.7 70.3 78.1 87.7 89.7 90.3 61.9 62.6 62.6 63.9 63.9 24.8 65.2 70.3 71.0 87.1 76.1 17 67.7 75.5 77.4 83.9 65.2 4.80 85.8 86.5 69.7 86.5 52.6 70.3 85.8 88.4 62.6 67.1 70.3 79.4 80.0 80.08 10.4 10.4 4.95 0.69 80.0 80.0 63.9 69.0 73.6 75.5 7.87 78.7 63.9 66.5 78.1 63.6 0 NO CEILING Y 14000 VI VI 00081 16000 1500 (FEET) > 20000 9000 8000 4500 2000 809 5000 3500 1200 8 8 500

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AI AI

ALAI

ALAI

11 11

AI AI

TOTAL NUMBER OF OBSERVATIONS

4.66

97.4 99.4

7.66

7.86

92.3

80.3

88.4

80.0

300

ALAI

AI AI

AI AI

ALAI

ALAI

ALAL

80.0

4.88

80.0

80

ALAL

SMOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HOURS (LST)

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES	ES)						
(FEET)	2	9	۸۱ د	*	۶ ۸۱	≥ 21/2	2 2	۷۱ کا ۱۳	¥1 ¥1	- AI	% Al	*	٧ ٨١	≥ 5/16	VI Z	٥
O CEILING	57.4	59.4	99.4	59.4	59.4	4.65	59.4	9.65	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
Y 18000	0.09	0.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	6119	61.9
Y 14000	0.09	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	611.9	61.9	61.9	61.9	611.9
VI VI 0000 0000	9.29	64.5		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
VIVI 7000	68.5		66.5	66.5	6.99	66.5	66.5	6.69.5	66.5	66.5	66.5	66.5	66.5	66.9	66.5	66.5
8000 8000 81 A1	67.1	00	0.69	71.0	71.0	71.0	0.69	69.0	69.0	69.0	71.0	69.0	71.0	71.0	69.0	71.0
4500 4000	0.69	71.6	71.6	71.6	71.6	73.6	71.6	71.6	71.6	71.6	71.6	73.6	71.6	71.6	71.6	73.6
3200	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.3	74.8
2500	76.8		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1500	79.4	6. 5	82.6	82.6	82.6	82.5	82.6	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1200	80.7	0, 00	84.5	84.5	84.5	86.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
88	81.3	100 100	87.1	87.1	87.1	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	88.4	4.88
88	61.9		87.7	88.4	88.4	91.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	93.6
VI VI 000 000 000 000 000 000 000 000 000 0	82.6	88.4	91.0	90.3	91.0	91.6	94.8	95.5	95.5	95.5	98.1	95.5	95.5	95.5	95.5	95.5
88 1A1A	82.6	89.0	91.0	91.6	92.9	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
80	82.6	89.0	91.0	91.6	93.6	94.2	98.1	99.4	4.66	4.66	99.41	00.00	00.00	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

THE P

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS TEXAS STATION NAME

HOURS (L S T)

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	01 <1	۸I	۷۱ که	٨١	۱۷ ع	> 2%	7	۷۱ ۲۷	VI 7.	<u>-</u>	% AI	* ∧I	۸I	> 5/16	7	٨١
NO CEILING	58.1	40.00	60.0	0.09	60.09	0.09	0.09	0.09	60.09	60.09	60.09	60.09	60.09	0.09	0.09	60.09
VI VI 00081 16000	O DO	en ec	54.5	64.5	64.5	0 4 4 0 0 4 4 0	64.5	2.49	64.5		64.5	64.5	64.5	54.5	64.5	64.5
Y 14000 Y 12000	62.6	300	64.5	64.3	64.5	64.3	64.5	64.5	64.5	54.	64.5	64.5	64.5		65.2	64.5
VI VI 0000 0000 0000	4 77 4	10 10	66.5	66.5	66.5	66.5		66.5	66.5	10	66.5	66.5	67.1	65.5	67.1	66.3
VI VI 7000 7000	in	• • •	67.7	69.7	67.7	67.7	59.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
000 800 41 41	67.1		71.6	71.6	7.69	7.69	7.69	71.6	7.69	7.69	71.69	71.6	71.69	71.6	71.6	71.69
VI VI 0004 0004	69.7		73.6	73.6	73.6	73.6	73.6	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500	73.6		75.5	75.5		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2500	74.8	78.7	30.0	80.0	80.0	0.08	80.0	0.08	80.08	80.0	30.08	83.9	83.6	0.08	83.9	80.08
VI VI 0081 1500	78.1		83.9				mi				83.9					
VI VI 1200 1000	81.3	86.	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
8 8	9.18		89.0	89.0	89.7	99.7	7.68	69.7	89.7	89.7	91.0	91.0	99.7	91.0	89.7	89.7
VIVI 8 8	32.6	89.	90.3	90.3	91.6	91.6		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
VI VI 00 8	82.6	0 -	91.0	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
8 8 8 8 8 8 8 8	82.6	91.6	93.0	93.6	97.4	97.4	98.1	98.1	98.1	96.1	98.1	98.1	100.01	98.1	98.1	98.1
80	82.6	92.3	94.2	94.2	98.1	98.7	99.41	00.00	00.00	00.00	00.01	00.00	00.00	00.01	00.01	0000

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	.ES)						
(FEET)	2	۸۱	N AI	4	E AI	2 2 1/2	7	V1 7/2	¥1 Y	- AI	% Al	*	% Al	≥ 5/16	AI X	٨١
NO CEILING	52.2	54.1	54.2	54.4	84.8	54.9	34.0	5. 4. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
18000	in	7.		2000	φ	58.6	00	8	03	50	60	00	00	63	120	58.6
0000	3	57.7			00	00					æ	00	20	00		
12000	5. 50 A	7.70	3.7.8 2.4.8	 	30	0 0 0 0	58.6	0.00	5 g	0 0 0 0	80 80 00 00 00 00 00 00 00 00 00 00 00 0	58.6	20.0	000	58.0	58.6
	200	60.		0	: :			:			:	-	:			-
000	58.2	60	60.4	0		61.1	51.1	61.1	61.1			61.1	61.1	61.1	61.1	61.1
0008	59.4	-		2	3	2	62.7	62.7	62.7	62.7	3	2.	62.7	62.7	62.7	62.7
- 1	600	63.2	63.5	63.8	64.3	64.4	4.99	64.4	64.4	4.49	64.4	7.49	64.4	4.49	9040	64.4
0009	61.5	63.8	64.1	9.59	6.49	65.0	0.59	0.59	0.59	0.59	65.0	0.50	5	65.0	65.0	65.0
	63.0	65.7	1.99	66.4	6.99	•	6.99	6.99	6.99	6.99	6.99	6.99		6.09	6.99	6000
1 4500	04.5	67.0	67.3	67.7		100	68.3	68.3			œ		00		68.3	68.3
4000	64.8	67.7	68.0	•	68.3	0.69	0.69		0.69	6		6	6	0.69	6	•
3500	66.3	69.2	69.5	6.69	70.4	0	70.5	70.5	70.5	70.5	70.5		70.5	0	70.5	70.5
3000	6.70	71.0	71.3	71.7	72.2	72.3	72.3	72.3	72.3	72,3	2	72.3	72.3	72.3	72.3	72.3
> 2500	0.69	72.7	73.1	73.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	*	74.1	74.1	74.1
2000	71.3	75.3	75.7	76.2	7607	76.9	76.9	76.9	76.9	76.9	4.97	76.9	76.9	76.9	76.9	76.9
1800	71.8	76.1	76.5	76.9	77.4		77.7	77.7	77.7	7.77	77.7	77.7	77.7	77.7	77.77	77.77
- 1	74.5	•	80.0	80.6	81.2	61.5	81.5	81.5	31.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
7 1200	75.7	-	82.1	82.7	*		83.6								63.6	83.6
000	76.5			84.3	84.9		85.2	85.2	85.2	85.2	85.2		85.2	85.2	85.2	85.2
88	76.5	83.2	84.0		2		86.0				86.0		86.0			86.0
1	77.2	3	84.8	85.	60.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
700	77.7	84.8	85.7	86.8	88.0	88.5	88.9	0.68	0.68	0.68	89.0	89.0	0.68	89.0	0.68	89.0
	78.2		86.7	87.7	4.68	90.1	90.7	80.8	8006	91.0	91.0	91.0	91.0	91.0	91.0	91.0
200	78.3	36.5	87.8	89.0	8.06	91.6	92.3	92.7	92.7	95.8	95.8	8.26	95.8	92.8	92.8	92.8
	78.4	87.2	88.8	0.06	92.5	93.4	94.5	0.56	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
88	18.4	81.5	9.68	91.0	·	4	0.96	6.96	6.96	6.96				97.0	0.16	97.0
	•	7.		91.1	3	*	2.96		97.5						98.5	
80	18.4	87.6	1.68	91.1	63.6	*	96.2	5.16	97.5	1000	3.80		78.7	0.66	2.66	6.66
	400	67.6	87.1	7	93.9	24 8	96.2	91.4	97.5	98.2	96.4	78.5	78.	99.0	99.4	0000

1240

TOTAL NUMBER OF OBSERVATIONS

80.1

80.1

80.1

80.1

80.1

80.1

80.1

82.3

82.3

82.3

82.3

82.3

82.3 83.7 83.7 83.7 83.7 84.4 85.1

82.3

83.7 83.7

83.7

83.7

83.7 83.7

83.7

83.7

76.6

76.6

76.6

75.2

75.2

75.2

75.2

75.2

75.2

76.6 80.1 82.3

76.6

71.6 75.2

71.6

71.6

71.6 71.6

9.11 71.6

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71.6

71.6 71.6

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≥ 5/16

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VI %

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YEARS

HOURS (L S T)

HONTH HONTH

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

71.6 ٦ ١ VISIBILITY (STATUTE MILES) 71.6 ٨١ ٨١ ۲۱ ۱۸ ٨١

۳ ۸۱

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2

(FEET)

NO CEILING

2 20000

71.6 71.6 75.2 80.1 76.6 71.0 71.6 71.6 71.6 75.2 71.6 71.6 75.2 76.6 71.6 71.6

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16000

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71.6

69.5

12000

75.2

75.2

75.2

73.1

0000

MIM

69.5

80.1 80.1

78.0 80.1

2000

MIM

82.3

81.6

2000

AI AI

4500

11 11

83.7 80.1 82.3 83.7 83.7 82.3 80.1 75.2 76.6

83.7 34.4 83.7 82.3 80.1 83.7 84.4 83.7 82.3 80.1

83.7 85.1 86.5 83.7 84.4 83.7 82.3 83.7 85.1 33.7 83.7 83.7 84.4 83.7

86.5 83.7 35.1 84.4 81.6

86.5 81.6 82.3

3500

AI AI

87.9 87.9 67.9 83.0 84.4

2500

AI AI

86.5

86.5

86.8 87.9 87.9

86.5 87.9

86.5

85.1

90.1

1.06

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91.5

91.5 92.9 93.6 84.3

91.5 6.26

61.5

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5.16

91.5

1.06

90.1

90.1

90.1

90.1

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6.26

6.26 93.6

92.9 92.9

92.9

92.9

95.9 93.6 94.3

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87.9 87.9

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86.5 87.9 90.1

87.9

65.6

93.6

93.6

93.6

93.6 64.3

93.6 64.3

93.6

93.6

93.6 94.3 94.3

65.6 93.6

94.3

64.3

94.3 6.76 7.56 8.96

84.4

84.4 85.1

84.4

84.4

84.4

4.48

84.4

34.4

85.1 86.5

85.1 86.5

85.1

85,1 86.5

85.1

85.1 85.1 86.5

86.5

86.5 87.9

85.1

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

83.7

90.1 87.9

6.16 85.8 85.8

1500

AI AI

92.2 92.2 6.76 92.2 5.16 6.26 87.9 68.7 4.69

AI AI

93.6 95.0 93.6 90.8 90.1 90.1 000

ALAL

93.6 90.8 88

93.6 97.2 92.2 92.2 800 500 300

95.7 6.46 6.16 95.7 93.6 98.0 0.86 0.56 97.2 92.2

97.2

80

AI AI

TOTAL NUMBER OF OBSERVATIONS

99.3100.0100.0100.0100.0100.0010.001

200

99.3

66.3

6.46

94.3

6.96

64.3

94.3

8.46

7.56

7.56

6.46

94.3

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96.5

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96.5

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99.3

66.3

6.46

69.3

66.3

66.66

95.7

94.3

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

73-77

YEARS

				PERCE (NTAGE FROM	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	UENC ILY OF	Y OF	NCY OF OCCURI	RRENC S)	ш				HOURS (L S T	187	
CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	.ES)							
(FEET)	۷I 5	٨١	۷I	٨١	۸I	2 2%	۸۱ ۲۹	۷۱ ۲۷	VI %1	ŽĮ.	% Al	ж М	% Al	≥ 5/16	AI X	٨١	
NO CEILING	59.6	62.4	4.29	63,8	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	65.3	65.3	
7 20000	63.1	0.99		67.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.8	8.89	
18000	63.1	0.99	0.99	4.10	4.10	47.6	68.1	2.0	68.1	68.1	68.	1.89	68.	68.1	80 8 80 8 80 8	68.0	
> 14000	63.8	26.7	66.7	68.1	68.1	(CD)	68.8	8 8	68.8	8.89	68.8	68.8	68.8	68.8	69.69	69.5	
2 12000		67.4	67.4	68.8	68.8	68.8	69.8	69.5	69.8	69.5	69.5	69.5	69.5	69.5	70.2	70.2	
Y 10000	66.7	69.8		70.9	70.9	6.07	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	
	68	70.9	70.9	72.3	72.3	3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8	
0008	70.9	73.8	73.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.5	76.5	
> 7000	71.0	74.5	74.5		75.9	6	76.6	76.6	76.6	76.6	76.6	76.6	16.6	75.6	77.3	77.3	
0009	72.3	75.9	75.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	
	73.1	76.6	76.6	78.0	78.0	78.0		78.7	78.7	78.7	78.7	78.7	78,7	78.7	79.4	79.4	
¥ 4500	73.1	76.6		78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	19.4	
	-	77.3	77.3	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	19.4	79.4	80.1	80.1	
2 3500		77.3	77.3	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	19.4	79.4	19.4	80.1	80.1	
	73.8	78.0		79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.9	80.9	
2 2500	75.2	79.4	79.4	80.9	80.9	·	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.3	82.3	
- 1	77.3	81.6		83.0	83.0	83.0	84.6	84.4	84.4		84.4	84.4	84.4	84.4	85.1	85.1	
7 1800	77.3	81.6	81.6	83.0	83.0		84.4	4.48	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1	
- 1	80.1	84.4	84.4	85.8	85.8	80	67.2	87.2	87.2	87.2	87.2	87.2	87.2	.2	87.9	87.9	
7 1200	62.3	86.5	86.5	87.9	87.9	6.78	4.68	9.68	89.4	4.68	89.4		4.68	89.4	1.06	1.06	
VI 000	84.4	88.7	88.7	90.1	90.1	90.	91.5	91.5	91.5	91.5	61.5	51.5	91.5	91.5	92.2	92.2	
8	85.1	\$ 68	9.68			0	92.2	92.2	92.2	92.2	2		92.2	92.2	95.9	65.6	
	85.1	89.4	89.4	90.8	90.8	90.8		92.2	92.2	92.2	92.2	2.26	92.2	92.2	92.9	65.6	
700	83.8	8.06	90.8		92.2	92.2	99.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	6.46	6.46	
009		91.5	91.5	65.9		-		6.46	94.3	94.3	64.3	64.3	64.3	94.3	95.0	0.56	
200	85.8	91.5		6.26		6.26	0.56	0.66	95.0	0.56	0.56	0.56	95.0	0.56	95.7	45.7	
		*	91.5	0	92.9	0	95.0	0.56	95.0	95.0	0.56	0.56	95.0	95.0	95.7	95.7	
300	85.8	92.2	92.2	64.3	64.3	94.3	96.5	96.5	96.5	96.5	6.96	96.5	96.5	96.5	97.2	97.2	
		-		,	2 70	*	3 . 10	40	200	9 70	04.3	94.8	01.0	010	ORLA	9.80	

TOTAL NUMBER OF OBSERVATIONS

141

0000

99.3100.0100.0

99.3100.0100.0

97.9 97.9 6.16

96.5

96.5

50.3 6.96

64.3

94.3

92.2 94.3

92.2

85.8

80

AI AI

88 MINI 96.5 97.2 97.2

96.5 96.5

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

0.00 HOURS (1.5.7.)

1144

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	2	۸۱	N AI	٨١	e Al	1 2%	V VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	(S) VI	AI AI	AI	22	5/3 V	AI AI	۸۱
NO CEILING	100									58.2						
≥ 20000	58.2		6000	61.0	61.7	61.7	4	2	62.4	2	62.4	62.4	62.4	2.	62.4	62.4
N 18000	58.5	9.	6003	0.10	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4		62.4	4.	9.29
		·¢	60.3	61.0	61.7	61.7	65.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
> 14000		60.3	61.0	61.7	62.4	62.4	63.1	63.1	63.1	63.1	63.1	3	63.1	63.1	63.1	63.1
≥ 12000	59.6	61.0	61.7	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
N 10000	6009	-	63.1	63.8	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	61.0		64.5	65.3	0.99	0.99	•	66.7	•	66.7	66.7	2.99	66.7	66.7	66.7	66.7
8000	63.1	65.3	66.7	67.4	68.1	68,1	80	8.89	68.89	00	68.8	68.8	68.8	8.89	8.89	8
> 7000	63.1	~	66.7	4.70	68.1	68.1	68.8	68.8	68.89	68.8	68.8	68.89	68.8	68.8	68.8	8.89
0009 1	63.8		67.4	63.1	8.89	60	69.5	69.5		69.5	69.5	69.5		69.5	69.5	69.5
	65.3	67.4	68.8	6	70.2	70.2		6.02	70.9	0	6.02	70.9	40.07	0		0
> 4500	65.3		68.8	70.2	4.07	70.9	71.6	71.6		71.6	71.6	71.6	71.6	71.6	71.6	
1 4000	66.7	68.89	70.2	71.6	72.3		73.1	73.1	73.1	73.1	73.1	73.1		73.1	73.1	73.1
	7.99	68.89	70.2	71.6	72.3	72.3	73.1	73.1		73.1	73.1	73.1	73.1	73.1	73.1	73.1
> 3000	68.1	70.2	71.6	73.1	73.8	•	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
> 2500	69.5	71.6	73.1	74.5	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	15.9
Z 2000	71.6	74.5	75.9	77.3	78.0		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
		78.9	77.3	78.7	79.4	79.4	1.0	80.1	80.1	80.1	80.1	80.1		80.1	80.1	80.1
≥ 1500	78.7	91.6	83.0	84.4	85.1	85.1	130	85.8	85.8	85.8	85.6	85.8	85.8	85.8	85.8	85.8
	81.6		8.5.8	87.2	6.78	37.9	68.7	88.7	88.7	88.7	88.7	38.7		88.7	88.7	
VI 1000	82.3	-	36.5	6.7.8	88.7	88.7	89.4	89.4	89.4	4.68	4.68	89.4	89.4	89.4	4.	69.4
8 Al	83.0	33.00	87.2	88.7	4.68	4.68	90.1	90.1	90.1	90.1	1.06	80.1	90.1	90.1	1.06	90.1
800	83.0		87.9	80.4	90.1	90.1	90.6	8.06	90.8	8.06	8.06	8.06	8.06	8.06	8.06	8.06
	33.0	86.5	87.9	89.4	90.1	90.1	8.06	8.06	8.06	8.06	90.8	8.06	90.8	8008	8.06	8.06
009 AI	83.0	86.5	87.9	69.4	90.1	90.1	90.8	8.06	90.8	8.06	8.06	8.06	80.06	90.8	90.8	8.06
	84.4	-	1.06	91.5	92.2	92.2	92.9	92.9	65.26	6.26	6.26	6.26	65.6	92.9	65.6	95.9
V 400	64.4	4.	80.06	65.6	93.6	93.6	6.46	64.3	6.96	94.3	64.3	64.3	6.46	64.3	6.46	6.46
300	84.4	89.4	9.06	95.9	93.6	93.6	95.0	0.56	0.56	95.0	0.56	0.86	0.56	95.0	95.0	65.7
1 200	84.4	89.4	90.0	92.9	6.96	84.3	96.5	96.5	96.5	6.76	6.16	6.16	6.16	6.16	6.16	98.6
VI 81	84.4	89.4	8.06	6.26	6.46	B. 96	6.96	96.5	96.5	98.6	66.3	86.3	66.3	86.3	.31	0.00
	84.4	89.4	90.8	65.6	94.3	94.3	96.5	96.5	96.5	98.6	66.3	6.66	66.3	66.66	99.31	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DALLAS, TEXAS

DIRNAVOCEANMET SMOS

73.1

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.5

68.8 6.01

68.1

65.3

68.1

70.2

67.4

63.1 61.0

3500

AI AI

76.6

75.9 77.3

73.1

68.1

14.5

68.8

1500

AI AI

78.0 80.9

80.9 82.3

77.3

40.0 6.07 6.07 70.9

1200

۱۸ ۱۸

80.1

70.9

73.1

72.3

60.5

65.3

2500

۱۸۱۸

70.2

73.1 75.2

73.1

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.2

70.5

70.5

68.8

68.1

68.3

61.0 61.0

4500

AI AI

70.2

70.2

70.2 70.2 78.7

78.7

78.7 80.1

78.7

78.7

75.2 78.7

75.2

30.1

80.1

80.1

80.1

83.7

87.2 87.2

87.2

94.49

84.4

84.4

83.7

83.7

90.1

90.1

1.06

90.1

90.1 90.1

90.1

90.1

88.7

88.7

88.7

87.2

87.2

90.1

92.9

6.36

6.26

6.26

5.76

97.2

97.2

6.16

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

61.7 ٨١ 61.7 67.4 70.2 70.2 0.99 61.7 ۸۱ 0.99 4.10 70.2 ≥ 5/16 61.7 65.3 0.99 61.7 61.7 ٨١ 65.3 61.7 0.99 70.2 70.5 ٨١ 65.3 67.4 61.7 61.7 61.7 0.99 70.2 70.2 ٨١ 67.4 61.7 65.3 70.2 0.99 70.2 ٦ ا VISIBILITY (STATUTE MILES) 65.3 0.99 67.4 70.2 61.7 61.7 70.2 61.7 61.7 ۲۱ ۲۲ 65.3 0.99 65.3 70.2 70.2 71 61.7 0.99 0.99 61.7 65.3 70.2 70.2 67.4 ۲ ۸۱ 61.7 65.3 61.7 65.3 67.4 63.1 2 2 1/2 61.7 61.7 65.3 0.99 4.19 70.2 68.8 70.2 ۸I 60.3 64.5 59.6 60.3 63.8 8°89 63.8 0.99 ٨١ 59.0 63.1 63.8 65.3 68.1 68.1 ۸I 65.3 61.0 62.4 68.3 61.0 ٨I 010 61.0 57.5 58.9 57.5 2 NO CEILING > 20000 18000 Y Y 1 9000 (FEET) 8000 9000

AI AI

AI AI

AI AI

ALAI

84.4 84.4 78.7 80.1 80.1 1.06 87.2 88.7 73.1 75.2 83.7 87.2 90.1 87.2 87.2 73.1 75.2 84.4 90.1 90.1 78.7 88.7 80.1 78.7 84.4 88.7 87.2 90.1 73.1 75.2 83.7 87.2 87.2 75.2 90.1 73.1 79.4 80.1 88.7 83.7 74.5 87.2 88.7 86.5 86.5 78.0 83.0 60 72.3 4.64 74.5 78.0 83.7 83.0

6.26 90.1 90.1 95.9 88.7 91.5 90.8 86.5 86.5 88.7 81.6 87.2 80.9 84.4 85.8 84.4 85.8

60.08

71.6

71.6

900

71.6

909

71.6

88

71.6

80

79.4

88

ALAI

TOTAL NUMBER OF OBSERVATIONS

141

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

F E B

71.6 80.9 68.8 4.68 4001 83.0 5 . 48 ٨١ 71.6 83.0 83.0 98.6 73.1 89.4 0.56 68.8 70.9 6.08 8.06 10.9 75.2 75.9 85.8 63.8 92.2 0000 5.48 92.9 70.2 ۸۱ 80.06 40.07 73.1 75.2 84.4 85.8 92.2 92.9 63.8 71.6 65.6 70.2 80.9 89.4 68.8 68.8 70.9 6.16 2 5/16 92.2 92.2 98.6 40.02 40.07 73.1 80.9 84.4 85.8 \$9.4 90.8 6.26 95.0 68.8 75.2 83.0 0.99 70.2 68.8 2 ۸۱ 73.1 75.2 83.0 84.4 6.26 6.46 98.6 68.8 85.8 8.06 63.8 40.01 40.07 71.6 80.9 39.4 95.0 0.99 70.2 68.89 * 85.8 80.9 6.26 0.56 6.1.6 4.07 75.2 89.4 6.26 98.6 70.9 71.6 83.0 8.06 84.4 92.2 68.8 70.2 ۲۱ ۱۸ PERCENTAGE FREQUENCY OF OCCURRENCE 84.4 10.9 65.6 70.9 75.2 80.9 83.0 89.4 8006 98.6 98.6 71.6 92.2 0.99 0.99 68.89 70.2 73.1 92.9 92.9 6.16 ٦ ٨ VISIBILITY (STATUTE MILES) FROM HOURLY OBSERVATIONS) 68.8 70.2 70.9 75.2 75.9 80.9 84.4 85.8 8.06 89.4 92.9 6.16 71.6 70.9 73.1 83.0 83.0 92.2 62.4 68.8 ٧١ ٢ 85.8 62.4 8.80 70.2 71.6 80.0 4.68 90.06 6.16 75.2 75.9 95.9 98.0 98.0 63.8 0.99 8.89 5.04 73.1 84.4 0.56 95.9 92.2 172 ۸۱ 0.56 4.29 71.6 73.1 34.4 9.68 70.2 70.9 75.2 75.9 80.9 85.8 8.06 92.2 6.76 63.8 68.8 70.9 83.0 92.9 0.99 68.8 6.16 7 80.9 8.80 68.8 70.9 75.2 97.2 62.4 70.2 71.6 83.0 85.8 4,68 90.3 92.9 92.9 93.6 96.5 0.99 0.99 84.4 92.2 63.1 21/2 ٨١ 6.04 73.1 80.9 75.2 75.9 83.0 70.2 84.4 88.7 89.4 90.8 2.26 6.26 97.2 6.16 4.29 68.8 85.8 95.9 71.6 ۲I 75.2 71.6 68.8 70.9 82.3 83.7 91.8 70.2 70.9 70.9 78.9 89.4 89.4 0.99 62.4 63.8 63.8 80.1 85.1 8.06 91.3 96.3 ٨١ 83.0 83.7 6.46 31.5 91.5 71.6 73.1 85.1 92.2 0.99 68.8 68.8 70.2 70.9 75.2 75.9 88.7 94.3 80.1 90.8 71 71.6 88.7 8.06 75.2 87.9 8.06 91.5 40.07 84.4 63.8 0.99 70.5 73.1 75.9 6.26 68.8 80.1 90.1 92.9 65.6 ۸۱ 4.07 71.6 70.9 75.2 76.6 78.0 81.6 82.3 83.0 83.0 83.0 66.7 82.3 51.8 60.3 61.7 63.8 67.4 67.4 68.1 69.8 83.0 83.0 0.60 83.0 0.99 0.00 2 61 NO CEILING 20000 (FEET) 18000 12000 0000 0000 80 8000 2000 4500 3500 2500 1500 900 88 900 500 300 ALAL AI AI AI AI ALAL ALAL MIN MIM MIM MIM AI AI

TOTAL NUMBER OF OBSERVATIONS

0

1 47

12E99-0E181

93901 STATION

DALLAS, TEXAS

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

WONTH ST

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) DALLAS, TEXAS STATION NAME

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES						
(FEET)	VI 5	۸۱	۶۵ ۸۱	AI AI	ε Al	1 2 %	N N	V1 %7	¥1 YI	Ā	% AI	* 11	VI %	≥ 5/16	VI %	٨١
NO CEILING	59.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
18000	68.8		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
Y 1 14000	DIN	mir	73.1	73.1	73.1	73.1	73.1	73.1	73.1		73.1	73.1	73.1	73.1	73.1	73.1
VI VI 0000 0000	75.2		77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
VIVI 7000 7000	75.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
9000 8000 81 A1	75.9	-	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
VI VI 4000	78.0	-	80.1	80.1	80.1	80.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	6	80.9	80.1
3200	78.0	80.1	80.9	0 c c c c c c c c c c c c c c c c c c c	80.9	85.1	80.9	80.8	85.9		80.9	80.9		85.1	80.0	80.9
Y 1 2500	88.8 0.88	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	88.7	86.5	86.5	86.5	88.7
VI VI 081 150 00 150	300	00 00 00 00	89.4	89.4	89.4	90.4	89.4	89.4	89.4	89.4	99.4	89.4	90.4	89.4	*~	89.4
VI VI 1800 1800	88.7		92.9	93.6	93.6	93.6	93.0	93.6	93.6	93.6	93.6	93.6	93.6	3.6	10	93.6
8 8 41 41	4.68	94.3	95.0	98.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.5	95.7	95.7	95.7	96.5
VI VI 8 8	89.4	94.3	96.5	97.2	97.2	97.2	98.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	98.6
VI VI 800 400	4.68	94.3	97.2	99.3	99.31	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	0.00
9 9 1 A I A	4.60	94.3	97.2	99.3	99.31	00.00	00.00	00.01	00.01	00.00	00.00	00.00	00.00	00.00	00.00	0.00
80	89.4 4.4	94.3	97.2	99.3	99.31	00.00	00.00	00.01	00.00	00.00	00.00	00.00	00.01	00.00	00.01	0.00

DIRNAVOCEANMET SMOS

1000

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

DALLAS, TEXAS STATION NAME

1 8 T . NON TH

2008

-		0	.3	0	1.1	1.	4.6		6.0	9.	3.7	3.7	4.4	5.5	3.7	4.6	8.0	3.8	9.8	8.	6.	.3		5.5	.2	2.	2.		0.0	0.0	0.0	0.0	0	1
HOURS (L. S. T		7	.3 6	20 78	.7 78	.7 78	1 4.	1 80	.9 80	9 0	.7 83	.7 8	4 84	.5 86	1	.4 39			8 90	20	6. 92	.3 94	193	5	2	2	N		-	-	-	00100		X
ž		ΑI	65	78.	78	78.	10	80.	80	90	8	83	84	86.	88	80	90.	90.8	06	90.	92	46	4	96	67	97.	. 26	2	1000	100.0	100	000		*
		2 5/16	65.3	78.0	78.7	78.7	19.4	80.1	80.9	81.6	83.7	83.7	84.4	86.5	88.7	89.4	90.8	90.8	90.8	90.8	92.9	64.3	94.3	96.5	81.5	97.2	97.2	99.3	0	0	0.	0.00		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
		الا الا	65.3	78.0	78.7	78.7	19.4	80.1	80.9	9	83.7	83.7	84.4	86.5	88.7	89.4	8.06	8.06	90.8	90.8	65.6	8. 46	64.3	90.5	31.5	31.2		97.3	0.00		0000	000	000	***
		≉ ∧I	65.3	78.0	78.7	78.7	19.4	80.1	80.9	81.6	83.7	83.7	84.4	86.5	88.7	89.4	8.06	8.06	8.06	90.8	65.6	84.3	6.46	96.5	97.2	97.2	97.2	74.3	000	00.00	100.01	000		
ш		% AI	65.3		78.7	78.7	4.64	80.1	80.9	81.0	83.7	83.7	84.4	86.5	88.7	4.68	8.06	90.8	8.06	8.06	95.9	64.3	04.3	96.5	3.16	97.2	2.79	49.0	00.00	00.00	00.00	000		
RRENC S)	.ES)	_ ^I	65.3		78.7	78.7	10.4	80.1	80.9	81.6	83.7	83.7	84.4	86.5	88,7	89.4	8.06	8.06	8.06	90.8	65.6	64.3	6.46	96.5	97.2	31.5	97.2	86.66	00.00	00.00	100.00	0000	1000	7
NTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	VISIBILITY (STATUTE MILES)	VI 2.	65.3		78.7	78.7	4.61	80.1	80.9	81.6	83.7	83.7	5.48	86.5	88.7	89.4	8.06	8.06	90.8	8.06	6.26	94.3	64.3	96.5	97.2	97.2		39.3	00.00100.00	00.00	0	9		NA STOR
Y OF	IBILITY (ST	71 72	64.5	77.3	78.0	78.0	78.7	79.4	•	80.9	83.0	83.0	83.7	85.8	87.9	88.7	90.1	90.1	90.1	1.06	92.2	93.6	93.6	45.7	96.8	6.96	60.0			99.31	66.9	0000		
UENC RLY OF	VIS	AI	64.5		78.0	78.0	78.7	79.4	80.1	80.9	83.0	83.0	83.7	85.8	87.9	88.7	90.1	90.1	90.1	90.1	5.26	93.6	93.6	95.7	96.3	96.3		97.9	98.6	90.6	98.6	0.00	0 0	70.00
		≥ 21/5	64.5	77.3	78.0	78.0	78.7	19.4	80.1	80.9	0.89	83.0	83.7	85.8	87.9	88.7	90.1	90.1	90.1	90.1	92.8	93.6	93.6	95.7	96.5	96.5	9	47.3	98.6	98.6	98.6	000	0 0	
PERCENTAGE (FROM)		۸I	64.5	77.3	78.0	78.0	78.7	19.4	0	80.9	83.0	83.0	83.7	85.1	87.2	87.9	9.68	89.4	69.4	89.4	61.5	65.6	65.6	95.0	1.56	95.7	1.56	7.16	6.16	6.16	6.16	41.0	07.0	
PERCE		4	64.5	77.3	78.0	78.0	78.7	79.4	ò	80.9	83.0	83.0	83.7	83.1	87.2	87.9	89.4	89.4	89.4	4.68	91.5	65.6	92.9	0.56	93.7	48.7	95.7		97.2	97.2	97.2	7.00	0.4.0	
		۸۱ ده	63.8	76.6	17	77.3	78.0	78.7	4.64	80.1	P2.3	82.3	83.0	84.4	86.5	87.2	88.7	88.7	58.7	88.7	90.8	91.5	61.5	93.6	6.46	64.3	4	95.0	95.0	0.56	2		0 0	
		٨١	63.8	-	77.3	-	78.0		79.4	80.1	82.3	62.3	60	84.4	9		-	87.9	87.9	87.9	4.68	90.1	90.1	91.5	2	92.2			65.6		2			•
		71	63.1	100	76.6	76.6	77.3	78.0	78.7	79.4	31.0	81.6		63.7	85.8	85.8	86.5	86.5	86.5	86.5	67.9	88.7	88.7	90.1	90.1	90.1	90.1	06	90.1	90.1	1.06	30.	1	- 77
	CEILING	(FEET)	NO CEILING	≥ 20000	≥ 18000		7 14000		V 10000		≥ 8000	- 1	0009	> 5000	> 4500	× 4000	> 3500	3000	> 2500		≥ 1800		≥ 1200	1000	00		700		200	1	200		30	

TOTAL NUMBER OF OBSERVATIONS

141

1559

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

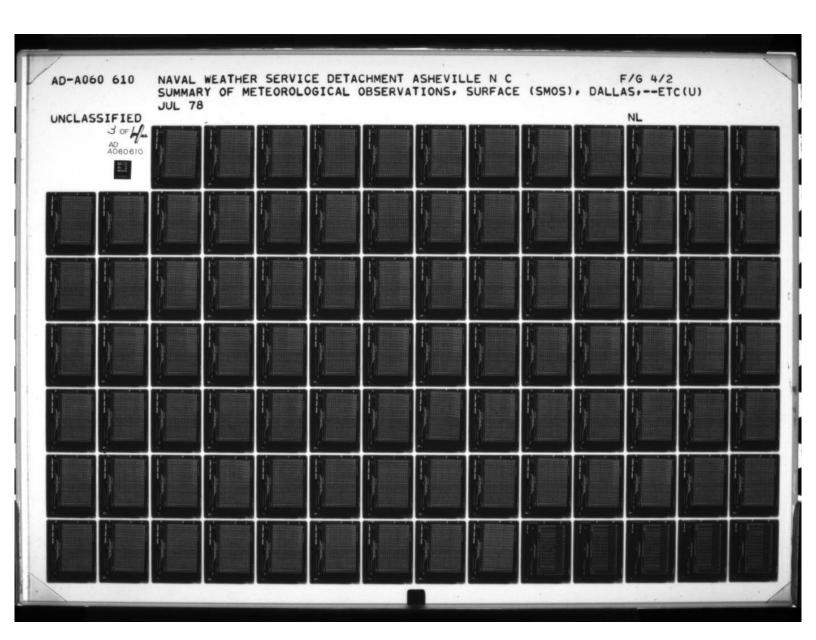
200

21 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

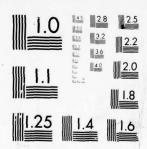
CEILING							N/	VISIBILITY (STATUTE MILES)	TATUTE MIL	LES)						
(FEET)	5 7	۰ ۸۱	S)	۸۱ ۲	۸I	> 21/2	7	٧١ ٧٧	¥1 Y	- AI	% Al	*	% Al	> 5/16	N M	٨١
NO CEILING	0.99	58.1	74.5	74.5	68.1	74.5	68.1	74.5	68.1	68.1	68.1	74.5	74.5	68.1	68.1	68.1
18000	80	4 4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
Y 14000	200	74.5	14.	74.5	74.5	1 4 7	74.5	74.5	74.5	74.5	74.5	74.5		74.5	74.5	74.5
1 1000	000		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	30.4	81.6	87.6	81.6	81.6		8 2 . 6		81.6			81.6		81.6	81.6	81.0
8000 8000 81 A1	80 0.1	20 00	82.3	82.3		82.3	32.00	882.3		NE	82.3			200	82.3	82.3
V I V I 4000	8 8 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		4 50			400	84.4 4.4					84.4	86.4		84.4	84.4
3200	85.8	87.9		87.9	-6	87.9	10		10	200		87.9				87.9
Y 1 2000	87.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.3	90.8	90.8	90.8	90.8	90.8	90.8
1800	87.9	91.5	91.5	91.5		91.5	91.5	91.5	91.5	91.8	91.5	91.5	91.5	91.5	91.5	91.5
VI VI 1200 1000	89.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
8 8	91.5	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
VIVI	91.5	95.7	96.5	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
VI VI 800 400	92.2	96.5	97.5	97.2	99.3	94.3	97.9	97.9	97.9	97.9	97.9	99.3	97.9	97.9	99.3	97.9
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	94.3	98.6	99.3	99.31	00.00	00.00	00.00	00.01	00.01	00.00	00.00	00.00	00.00	00.00	00.01	0.00
80	94.3	98.6	99.3	99.31	00.00	00.01	00	100.01	00.01	00.00	00.01	100.01	00.01	100.00	100.001	100.0

141



IFIED 3 OF

AD A060610



MICROCOPY RESOLUTION TEST CHART
NATIONAL FUREAU OF STANDARDS-1963-4

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HOURS (1 S T) HE B

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELLING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)							
(FEET)	71	9	۶۲ ۸۱	A 1	N AI	2 2%	41	41 7	VI VI	- AI	% AI	*	Z AI	2 5/16	AI Z	٨١	
NO CEILING	58.4	67.5	60.5	60.9	61.2	61.2	68.6	49.00	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	
7 18000	65.5		67.8	6.8.3		00	68.7	00			00	8	00		20		
	•		68.1		8	@		5			5	0	0	•	6		
V 14000	200	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	000	70.0	70.2	70.2	70.4	70.4	70.5	70.5		70.5		70.5	70.6	70.6	
10000			71.9		72.6	72.6	72.8		N	2	2	2	2	72.9	3		
800	66.69	72.2		73.1	3	60		60		3	101	6			0		
VIVI 7000 7000	50	20.07	75.0	78.5	75.5	κ. κ.	75.4	75.4	76.9	75.4	6 3	76.2	200	18.4	76.5	75.5	
9009	73.1	75.6	76.2	9	0				-			2	1		-	77.2	
2000	73.9	76.4	77.0	77.4	77.7	77,8	77.9	77.9	•		8	78.0	8	78.0	8	78.1	
	74.6	77.1			78.5		•	8		8	00	60	0			78.9	
7 4000	75.2	17.9	78.6	79.5	19.4	19.5	79.7		19.8	•	0	6	6	79.8	6	19.9	
> 3500	75.6	78.5	79.2	79.7	80.0		80.2	0	0	80.3	0	0	0		0	80.4	
1	77.2		81.0	81.6	-	82.0			82.4	82.4	2	2.	2.	82.4	82.5	82.5	
2 2500	78.5	1.	82.5	83.0				•	83.8	83.8	83.B	3.	83.8	83.8	3	83.9	
	80.1	\$3.4	84.2	84.8	85.1	65.5	85.6	85.6	5		3	2	5	85.6	2		
7 1800	ි . ප	84.2	85.1	85.6		è	•	86.4			0	9	86.5	86.5	86.6		
1	82.6	86.4	87.3		88.5	60			6	89.0			6	89.0	6		
1200	3	87.9	88.9	89.6	2.06	90.3	90.06	90.0	•	1.06			2.06	2006		8.06	
1000	84.9	89.5	90.5	91.3	92.1	92.2	95.6	95.0	2.	2	2	95.6	2	95.6	2.		
00 A1	83.3	90.0	1.16	91.8		92.7	93.1		93.2	93.2		3	3	93.2		3	
1	85.4	90.3	4.16	92.3	93.1	93.2	10				100	3	3	93.7	3	93.8	
700	85.6	90.7	61.6	92.8	93.6	93.7	6.46	8.46	94.46		4	. 4		4.46	*	6.46	
00 A1	89.6	91.2	95.6	93.8	94.6	24.7		4.56	95.5	98.5	62.5	68.5	3	95.5	92.6	95.6	
200	*	91.8		94.5	98.5	7.56	96.5	0.96		2.96	9	. 9		7.96	9	96.8	
	86.3	92.3	93.8	95.3		96.5	-		98.0	0.36	0.86	0.86			1.86		
300	86.4		0.46	98.6	96.5	7.96	98.1	\$ 86	98.5	98.5		*		98.5		98.7	
1 200	86.4	92.5	0.46	95.6	1.96	6.96	6.86	2.86	98.8	6.86				66.3	66.6	8.66	
			" "			0	AL										

TOTAL NUMBER OF OBSERVATIONS

99.8100.0 99.8100.0

99.7

7.86

98.8 99.2 99.5 99.5

86.4 92.5 94.0 95.6 96.7 96.9 98.3 98.7 98.8 99.2 99.6 99.0 99.7 99.3

98.7

96.9 98.3

7.96

98.6

92.5

80

AI AI

0.46

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SMOS

1559

93901 STATION

DALLAS, TEXAS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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MAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							SIA .	VISIBILITY (STATUTE	ATUTE MILES)	ES)						
(FEET)	01 71	٨١	VI SS	۸۱ ۲	۸I	≥ 2%	1 2	۲۱ کا ۱۳۵	¥1 ¥1	- AI	% AI	* 1	۲۸	> 5/16	AI	٥
NO CEILING	63.9	64.8	64.5	64.5	5.59	2.50	65.2	5.59	65.2	65.2	65.2	65.2	65.2	65.2	65.2	5.59
IN 20000	07.7	69.0	0.69	0.69		4		69.7	-		69.7			-	. 1	1.69
N 18000	4.89	59.7	1.69	69.7	70.3	70.3	70.3	70.3	70.3		70.3	70.3	70.3	70.3	70.3	70.3
	69.0	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0		71.0	71.0	71.0	71.0
≥ 14000	69.7	71.0	71.0	71.0	71.6	71.6	71.6	71.6	•	71.6				71.6	71.6	71.6
≥ 12000	70.3	71.6	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	73.6	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	5	5	•	.5	75.5
	73.6	74.8		74.8		78.5	75.5	•	75.5	75.5	75.5	75.5	75.5	75.5	5.5	75.5
8000	74.2	78.5		75.5	76.1	76.1	76.1	76.)	76.1	76.1	76.1	76:1	.0	76.1	6.1	76.1
> 7000	74.2	75.5	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	9	76.1	76.1	76.1
0009 3	74.8	76.1	•	76.1		76.8		8.	•		76.3	76.8		6.3	100	76.8
	77.4	70.4	79.4	79.4	80.0	90.0	80.0	0	80.0	80.0	80.0	80.0	80.0	0.0	0.	80.0
> 4500	77.4	79.4	79.4	79.4		80.0	0	0.		•	80.0		0	0.		80.0
1 4000	78.1	80.0	80.0	80.0	80.7	80.7	80.7		80.7	80.7	80.7	80.7	80.7	7.0		80.7
> 3500	78.1	80.7	80.7	80.7	•	81.3	•	\$43				-	-	1.3	3	61.3
3000	79.4		81.9	81.9	82.6	2	82.6	0		2.		2	2	2.6	90	82.6
2 2500	82.6		85.2	85.2		•		3 3.			85.8		3	80	8	85.8
- 1	83.2	-	87.7	87.7		88.4	3	3.	•				3		8.4	88.4
7 1800	85.8	88.4	88.4	88.4		0.68		0	0.68		0.68	89.0	0.68		0.68	89.0
1	87.1	89.		5	6.00	•	0	0.3				0	0	8006	6.0	8003
× 1200	87.7	90.3		80.3	-	91.0	91.6	0		91.6		-	-	9.	9.	91.6
1	89.7	-	92.9	65.6	93.6	93.6	94.2	2.46	94.2	94.2	34.5	34.5	2. 56	2.	2	2.46
00 AI	89.7	65.6		93.6	34.5	94.2	94.8	8.46	8.46	8.76		*	*	00	00	8.46
	90.3	93.6		94.8	95.5	95.5	96.1	-	96.1	96.1	1.96	96.1	1.96	-	-	1.96
700	90.3	93.6	94.2	8.96		95.5	96.1		96.1	96.1	1.96	1.96	96.1	-	1.96	1.96
009	90.3	94.2		96.1	96.8	96.8	4.16	97.4	4.16	4.16	4.16	4.16	97.4	4.	4.	4.16
200	90.3	94.2		9.46	98.1	98.1	48.7	48.1	48.7	7.86	98.7	48.7				7.86
	90.3	94.2	1.96	98.1	7.86	7.86	5.66	4.66	4.66	4.66	4.66	4.66	4.66	4	4.	4.66
300		94.2	1.96	1.86	7.86	98.7	4.66	7.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
> 200	90.3	84.2	1.96	1.86	98.7	7.86	4.66	4.66	99.41	00.00	00.01	00.00	00.00	00.01	10.00	0.00
	90.3	34.5	96.1		7.86	98.	5.66	4.66	99.41	00.00	00.00			.01	00.00	
٨١	90.3	94.2	96.1	98.1	98.7	98.7	9.66	4.66	99.41		00.01	00.00	00.00	10.00	0000	0.00

STATION

988

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

YEARS

MAR

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				PERCE (PERCENTAGE FREQUE! (FROM HOURLY		FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS)	ACY OF OCCURI	OCCUI	RRENC S)	ш				HOURS (LS T	Ē.
CEILING							NIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	٥ 2	۸I م	VI VI	۸I	۸I	≥ 2%	7	۷۱ ۱۳۶	۷۱ ۱۷	,	74	≭ ∧I	ζ. Al	≥ 5/16	۷I	٨١
NO CEILING	5.45	47.7	48.4	-	0.65	0.54		49.0	0.65	0.	0.65	0	0.65	0.65	0.65	0.65
7 20000	4	697	•	54.8	34.8	4	54.8	54.8	54.8	54.8	54.8	8.4	54.8	54.8	54.8	54.8
00081	50.3	54.5	•	55.5	55.5	20. 20.	55.5		55.5	55.5	55.5		55.5	55.5	55.5	55.5
		4 4	36 35 35 35 35	55.5	55.5	55.1	55.5	55.5	56.1	55.5	55.2	55.5	55.5	56.1	55.5	55.5
> 12000	51.6	55.5		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
00001	9.25	7.	58.1	58.7	58.7	58.7	1.	28.7	58.7	58.7	1.	58.7	58.7	58.7	58.7	58.7
- 1	2		60.0	60.7	60.7	200	60.7	60.7	60.7	•	60.7	0	2009	60.7	60.7	
8000	57.4	61.3	•	62.6	62.6	5.0	9.29	65.6	62.6	9.29	9.29	62.6	95.0	62.6	9.29	62.6
- 1	-	61.0	05.	63.2	•	N	63.2	63.2	63.2	63.2	2.60	03.5	03.2	63.5	63.2	63.2
0000		61.9	£ 4	2.69	63.2	23.5	53.5	63.5	63.2		0 4 0 4	03.5	63.2	63.2	63.2	63.2
	0	04.3		67.	0.00		67.0	67.1	67.1	67.0	67.0	67.1		67.0	67.1	67.
1 11	9	6.99	67	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
> 3500	5	68.4	0	1.69	1.69	2.6	69.7	69.7	69.7	69.7	69.7	1.69	69.7	69.7	69.7	69.7
7 3000	'n	70.3	7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
7 2500	4	72.3	L-	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.2	74.5	74.2
	10	76.1		78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
VI VI 8 8	100	20.00		10.00	93.0	83.9	40.0	2 4 2 4	4 4 4	4	84.5	4 . 4	4 . 4	4 11 12	34.5	40.4
	1.3	86.3	87	0.68	89.0		89.7		89.7			89.7	89.7		89.7	89.7
1000	2.	89.0		91.6	91.6	91.6	92.3	92.3	92.3	65.3	92.3	65.3	92.3	92.3	92.3	92.3
8		89.7		92.3	92.3	92.3	65.6		6.26	65.6	6.76		95.9	65.6	65.6	6.26
	~	89.7		92.3	92.3	92.3	92.9	92.9	6.26		6.26	92.9	25.0	92.9	92.9	92.9
8 8	4 4	0.16		94.5	94.2	4	2 80	95.5		94.00	000	95.5	95.50	95.5	95.5	95.5
1	4	91.6		98.8	95.5	2	8.96	96.8	90.96	96.8	96.8	8.96	96.8	96.8	8.96	8.96
1 400	84.5		93.6	96.1	96.1	-	97.4	47.4	97.4	97.4	4.16	4.16	4.16	4.16	97.4	97.4
8 8		91.6		96.1	96.8	96.8	98.1	98.1	1.86	98.1	98.1	1.86	1.86	1.86	98.1	1.86
	2 4		03.6	1.06	4.70	. 4	4.66	4 . 66	4.66	4.00	99.41		0.0010.00	00.00	100.0100.01	0000
111	84	91.6	93.6	96.1	4.76	4	- +	4.66	9.66	4.66	99.41	-	00.00	100.01	0100.0010	0000

TOTAL NUMBER OF OBSERVATIONS

155

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SMOS DIRNAVOCEANMET

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

0.00 HOURS (1.5 T.)

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	٨١	7 47.7	9 15 9	6 51.6	3 52.3	6 53.6	2 54.2	5 55.5	4 57.4	7 58.7	0.09 0	3 61.3	6 61 9	9 63.9	5 64.5	7 67.7	0 71.0	8 74.8	1 76.1	4 79.4	3 81.3	8 85.8	5 86.5	3 90.3	9110	9 92.9	6 65.6	8 94.8	4 97.4	4 66 4	0100.0	0.0010
	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	47.	51.	51.	52.	53.	54.	55.		58.	.09	61.	61.	69 6	64.	1 67.	71.	3 74.	76.	19.	8 81.	85.	86.	06	91.	92.	9 92.	. 46	97.	66	100.	100.
	2 5/16	47.7	31.6	51.6	52.3	53.6	54.5	55.	57.4	58	60.0	61.	61.	3	64.	67.	71.0	74.	76.	19.4	81.3	85.8	\$6.	90.	91.6	92.9	92.	94.	97.6	66	100.0	100.0
	۸I	47.7	51.6	51.6	52.3	53.6	54.2	55.5	57.4	58.7	60.0	61.3	-	63.9	64.5	67.7	71.0	74.8	76.1	79.4	81.3	85.8	86.5	90.3	91.6	95.9	95.9	94.8	4.16	4.66	0000	0000
	*	47.1	51.0	51.0	51.6	52.9	53.6	54.8		58.1	29.4	60.7	61.3	63.2	63.9	67.1	70.3	74.2	75.5	78.7	80.7	85.2	85.8	89.7	91.0	65.3	65.3	24.5	8.96	98.7	99.4	99.4
	% AI	47.1	21.0	51.0	51.6	52.9	53.6	54.8	56.8	58.1	59.4	60.7	61.3	63.2	63.9	67.1	70.3	74.2	75.5	78.7	80.7	85.2	85.8	89.7	0.16	65.3	92.3	3.46	8.96	08.7	4.66	4.66
.ES)	- 2	47.1	51.0	51.0	51.6	52.9	53.6	54.8	56.8		29.4	0	61.3	63.2	63.9	67.1	70.3	74.2	75.5	78.7	80.7	85.2	85.8	89.7	91.0	92.3	92.3	34.5	8.96	98.7	4.66	4.66
VISIBILITY (STATUTE MILES)	71 7	47.1	51.0	51.0	51.6	52.9	53.6	54.8	56.8	58.1	4.65	2.09	61.3	63.2	63.9	67.1	70.3	74.2		78.7	80.7	85.2	85.8	89.7	91.0	92.3	92.3	94.2	96.8	4.76	4.76	97.4
IBILITY (ST	≥ 1%	47.1	51.0	51.0	51.6	52.9	53.6	54.8	56.8	58.1	59.4	60.7	61.3	63.5	63.9	67.1	70.3	74.2	75.5	78.7	80.7	85.2	85.8	89.7	91.0	92.3	92.3	2.46	96.8	4.76	97.4	97.4
N N	≥ 2	1.25	20	51.0	51.6	52.9	9.85	54.8	56.8	58.1	59.4	60.7	61.3	63.2	63.9	67.1	70.3			78.7	80.7	85.2	85.8	89.7	91.0	92.3	92.3	94.2	9.96	96.8	8.96	96.8
	≥ 2%	47.1	51.0	51.0	51.6	52.9	53.6	54.8	56.8		59.4	7.00	61.3	63.2	63.9	67.1	70.3	74.2	75.5	78.7	80.7	85.2	88.2	89.0	90.3	91.6	91.6	91.6	94.2	94.2	84.2	94.2
	8	6.04	50.3	50.3	51.0	52.3	52.9	54.2	1.98	\$7.4	58.7	0.09	7.09	62.6	63.2	66.5	7.69	73.6	74.8	78.1	80.0	84.5	84.5	88.4	89.7	91.0	91.0	91.0	93.6	93.6	93.6	93.6
	7 A	5.94	50.3	50.3	51.0	52.3	52.9	54.2	1.95	57.4	58.7	0.00	60.7	61.9	62.6	65.8	0.69	72.9	74.2	77.4	76.4	63.9	63.9	87.7	89.0	90.3	8.06	8.06	91.0	91.0	91.0	91.0
	\$ 41	46.5		50.3		52.3	52.9	54.2	56.1	57.4	58.7	0.09	60.7	61.9		65.8		72.9	74.2	77.4	79.4	83.2	83.2	87.1	87.7	89.0	89.0	89.0	69.7	1.68	69.7	89.7
	۰ ۱	100		40.0		-	51.6	52.9	54.8	56.1	57.4	58.1	58.7	0.09	60.7	63.9	67.1			75.5	77.4	80.7		84.5	88.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	5	-	45.8	45.8	46.5	47.7	48.4	49.7	51.6	52.9	54.2	54.8	55.5				63.2	67.1	4.89	71.6	73.6	74.8	74.8			_	_	4.62		5.	_	4
CEILING	(FEET)	NO CEILING		N 16000	14000	≥ 12000	10000	> 0000	8000		9009	2000	4500		3500		2500	7 2000	1800	≥ 1500	1200	V 1000	00 AI	800	200		200	400	300	1 200	8	

TOTAL NUMBER OF OBSERVATIONS

155

0000

SMOS

1000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.9 HOURS (1.5.T.)

	0	r =	05 1	2	20	m	0	00 4	20 1	- 0	0	. ~	00	-	9	~	2	9	2	0	0	0 0	0 0	y a	4	~	0	0	0
	٨١	38.	.5		7	52.	52.			500	10	65	65.	67.	71.	74.		82.	85.	89.	.16		.74			98.	.00	100	00
	7	r 00	0	5	7	m	0		20 :	- 0	9 0	~	8	-	9	N	'n	0	2	+		1	90	y a	-	-	0	0	0
	۸۱	38		40	7 10	52	52.	54		200	9	65	65	67	71.	74.	75.			68	6		70			98	.00	100	00
	5/16	r 00	ω :	0	2	3	5	œ :	1 0		0	~	8	. 1	9.	~	.5	9	~	0	0.	0 0	0 0	œ	4	1	.01	0	0
	AI	80 4 80 8			4 4	52	52			20	5	450	6.5	67	7	74				00	5		20			98	00	00	00
	χ λ	- 1		•	2	·	6.		00 1		0		3	-	9.	. 2		9.	. 2		0			600	4	. 7	0.	.0	0
	Λι	38	4	4	4	52	52	10	200	200			65	9	-	74			8	00	0	0	70	76	6	36	100	-	100
	*	8.7		0 4	7.0	2.3	2.0	4 . 8	000		. 6	5.2	5.8	7.1	1.6	4.2	5.5	5.6	5.5	0.6		0 6	0 . 4	4 . 8	7.4	8.7	000		0
		7 8	1	-	4 4			-	0 0	0 4	0 0		8	9	7 3	2 7	2 2	8		1	0 0	0 0	0 0	. 0	0	0	010	0	2
	۸I	8 5	3	0	10	2.	52.		0			110	65.	67.	1:	4.	15.		3	6	÷.	•				98.	00.	00	00.00
	_	7 8	1	-	7 4	6	6		0	0 4	0		8	1	9	2	S	-	2	0	0	0	0 0	4 80	4	7	0	0	0
ES)	Al	50 K			0 1	52	52.			50	0 4	65	65.	67.	71.	74.	75.	82.			91.		200	9 6			00	.00	00
E MILI	174	r = 0	∞.	5	0.	3	6	80	00 1		20		80	-	9	2	5	9	2	0	0	9		0	١-	00	1	11	7
r.A.T.UT	ΛI	38			4 4	52	52		56	2 2	0 2	6.5	6.5	67	7.1	74	75	28		80	5		70	76		96	98		9
VISIBILITY (STATUTE MILES)	17%	- x		0	2	m	0	<u>م</u>	20 1	•	0		00		4			0	N	0	0	0 1	0.4	0		æ		4	4
ISIBIL	ΑI	38	5	4	4 4	52	52			0 -	3	0.0	65	6	7.1	74		82		8	0	7	7 0	76		96	9	6	6
>	۲۵ ۱۸	8.7		6.9	0.0	2.3	2.9	4 . 3	0		00	4 10	30	7.1	1.6	4.2	5.5	2.6	5.2	0.6	1.0		5 4	0		8.0	7.4	7.4	7.4
		5 8	1	0 4	5 4	3	3	an o	20	(A)	0 0		9	10	5 7	7	-	9	8	1		2 0	7 0	0	6	0	9	9	0
	> 2%	38.	in.	9	0 1	52.	52.					1 10	. 50	67.	73.		5	2	174	0	7 0		25	76		96.	96	96	96.
	3	~ 00	1-	2	7	6	3		2	- 0	00		8	7	0	~	2	0		_	-	0 0	7	+	, 00	5	3	i	2
	ΛI	38.			40	52	52			9	0 3	2 0	65	67.	71.	74.	75.	82		89	67		70	00			95.	95	95
	•	r. a	00	en M	7	E.	•	00	00 6		90		93	WY.	0	0	00)	6.				0	0.0		0	o-	0	5.	0
	۸۱	38	4.5		5 7	52	52			N 4	0 3	0	6.3	66	7	13	74	83				2	20		90	92	6		93
	۶۶ ۸۱	800		•	0 2		0					2 0			3.0	9.1	6.2	3.4	2.1		•	0 .		1	7	4.	3.4	3.4	3.4
		36	1	-	4 4	-			-	0 0	1	83					-				500			1		8			
	۰ ۸۱	36.8		*	44.00			2	4 . 8		200			63.2		0.3	71.6		8.1		81.9		2.50	83.2		83.2	3.2	10	3.2
			1	1	0	+	-		-		-	-	+	-		-	-	_	1	4	4	+		-		+	-	9	3
	5	33.6	40.	•	\$ -5	45.8	46.		5.4	0:0		34.	55.	56.1	00	9.29	03	67.	67.	68.	80	0	0.00	69	0.69	69			6.9
0		O		\top					\top															T		Т			\neg
CEILING	(FEET)	O CEILING	18000	200	12000	10000	- 1	8000	- 1	9000	1	4000	1	3000	2500		1800	- 1	1200		88		8 8	1	8 8	1	200	8	- 1
U		2 1	AI /	1	AI AI	VI.	^1	AI /	^1	VI V	" /	N NI	٨١	M	٨١	ΛI	۸ı	ΛI	۸I	ΛI	AI A		۸۱۸	' ^	1 /1	^	M	ΛI	^'

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0155

155

TOTAL NUMBER OF OBSERVATIONS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) DALLAS, TEXAS STATION NAME

VISIBILITY (STATUTE MILES)

100

01 V	^	٨	^	^	7 21%	^	7	7	^	7	K A	A A	71/3 4		
		1 1		?		٠ ١	-	2	.						
-	45.8	45.6	45.8	45.8	e.	45.8		45.8	45.8	3	2	5	5	2	45.8
	55.5	55.5	55.5	55.5	55.5	5,5.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
	55.3	55.5	55.5	55.5	55.5	55.5	55.8	55.5	55.5	55.5	0	55.5	55.5	55.5	55.5
	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	200	55.5
	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.3	55.5	55.5	55.5	55.5	55.5
	56.1	58.1	58.1	58.1	58.1	58.1	58.1	•	58.1					25.00	58.1
	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
	63.2	63.2	63.2	63.2	2.89	63.2	2.69	•	63.2	63.2	63.2		63.2	63.2	63.2
-	64.5	64.3	64.5	64.5	64.5	64.5	64.5	64.5		64.5	64.5	. 4	64.5	64.5	64.5
	65.2	65.2	65.2		65.2	65.2			65.2	•	65.2	65.2	65.2	5.	65.2
-	65.2	65.2	65,2	65.2	65.2	65.2	65.2	65.2	3			5	65.2	65.2	65.2
9.	8.89	65.8	65.8	8.89	65.8		65.8		5	10		5	65.8	65.8	
-	68.4	4.89	68.4	68.4	68.4	63.4	4.89	68.4	68.4		4.89	68.4	68.4	68.4	68.4
	7.69	70.3	70.3	70.3	70.3	70.3		70.3	70.3						
-		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	500	73.6	73.6	73.6	73.6	73.6
_	76.1	76.8	76.8	76.8	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8		76.8
-	81.9	82.6	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
	85.2	85.8	85.8	85.8	85.8	10	85.8		85.8	85.8	85.8	85.8	85.8	85.8	85.8
-	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	7			87.7		87.7
_	91.0	6.26	85.3	65.3	92.3	6.26	65.3	92.3	92.3	•	2	92.3	92.3	92.3	92.3
-	91.6	92.9	65.6	95.9	6.26	65.6	65.6		2.		6.26	6.26	6.26	92.9	92.9
-	92.3	93.6	93.6	93.6	93.6	93.6	93.0		93.6	93.6	93.6	93.6	93.6	93.6	93.6
-	93.6	98.5	96.1	1.96	96.1		1.96	96.1	96.1	96.1	1.96		1.96	96.1	1.96
-	93.6	1.96	96.8	8.96	8.96	98.1	1.86	1.86	1.86	98.1	98.1		98.1	98.1	98.1
-	93.6	1.96	96.8	96.8	96.8				98.1						
_	93.6	1.96	96.8	4.16	4. 66	7.86	98.7	98.7	7.86	7.86	48.7	1.86	7.86	7.86	98.7
-	93.6	1.96	96.8	98.1	98.1	9.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
_	93.6	1.96	96.8	98.1	98.1	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
-+	93.6	96.1	96.8	98.1	98.1	99.66	4.66	9.66	4.66	4.66	4.66	4.66	\$ 66	4.66	5.66
-	93.6	1.96	8.96	98.1	98.1	4.66	4.66	99.41	10.00	00.00	10.00	00.00	00.00	0000	0.00
	93.6	96.1	96.8	98.1	98.1	4.66	4 66	99.41	10.00	00.00	00.00	00.00	00.00	00.00	0000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-

DALLAS, TEXAS STATION NAME

73-77

YEA

NAR HOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET) NO CEILING		VI 04	\$ 49.0	VI 64	VI 64	V 2%	VIS	VISIBILITY (STATUTE MILES) ≥ 1% ≥ 1% 49.0 49.0 4	ATUTE MIL ≥ 1% 49.0	ES 2 4 4 9 . 0	VI 94	¥ 0.	νι γ. γ. 0.	5/2 ≤ 0.64	yı 9, 0.64	VI 0.64
> 20000	60.7		-	61.3		61.3	-			-	61.3	=	-	1.3	6103	
VI VI 00081 1 VI VI	600.7	61.9	0 P	61.3	61.3	9 6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
7 14000	62.6			63.2	63.2	63.2	53.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
> 12000	64.5	65.2		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.2	65.2	65.2	65.2
VI V	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
	100	67.1	21.0	21.0	9.0	7.0	77.	71.0	71.0	11.0	1010	71.1	10,0	0	10	100
7000	710	71.6	71.6	71.6	71.6	73.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
1	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
> 2000	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
> 4500	74.8	76.1	:		.0	1.97	76.1			76.1		76.1	76.1		76.1	76.1
	78.7	0	•	80.0	•	60.0	80.0	0	0	0	0	90.0		•	30.0	80.0
> 3500	80.7		6.18	81.0			81.9		81.9		81.9	81.9	81.9	81.9	81.9	
	81.9	-+	83.2	83.2	83.2	83.2	83.2					83.2			83.2	83.2
> 2500	83.9			85.2		85.2	85.2	85.2	85.5	85.2		85.2	85.5	85.2	85.2	85.2
- 1	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7				87.7	87.7	87.7
VI 1800	88.4	89.7	2.68				89.7		89.7	89.7		89.7	6	89.7		89.7
- 1	90.3	91.6	2	2	5.		85.3	-1	2				2	92.3	92.3	92.3
1200	41.6	0	2.56		•		. +		;		;			24.8	24.8	8.96
- 1	91.6	93.6	:		4 .	74.6	8.4.8								24.8	94.8
88	91.6	93.6	2.46	8. 96	94.8	24.8				94.8			34.8	24.8	24.8	8.76
	41.0	93.6	•	98.5	95.5	35.5	75.5	95.3	72.5	45.5	75.5	75.5			35.5	35.5
700	91.6	93.6	8.40	96.1	96.1	1.96	1.96	1.96	1.96	1.96	96.1		1.96	96.1	96.1	1.96
	91.6	34.5	1.96	4.16	4.16	4.6	4.26	4.16	41.4	97.4	4.	3.16		77.4	91.4	4.16
200	91.6	34.5	96.1	4.7.4	4.16	4.1.4	4.16	4.16	97.4	4.7.6					4.16	4.16
	91.6	94.2	66.1	4.16	98.1	98.1	7.86	4.66	5.66	4.66	4.66	4.66	4.66	4.66	7.66	4.66
300	91.6	2.56	1.96	4.16	1.86	98.1	7.86	4.66	4.66	4.06	4.66	4.66	4.66	4.66	4.66	4.66
	91.6	94.2	1.96	4.46	98.1	98.1	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
VI 8	91.6	34.2	1.96	4.16	98.1	98.1	98.71	00.01	00.00	00.00				0	.01	0.00
	91.6	94.2	1.96	97.4	98.1	96.1	98.71	00.01	00.01	00.00	00.00	00.00	00.01	00.00	100001	0000

TOTAL NUMBER OF OBSERVATIONS

R R R

DIRNAVOCEANMET SMOS

12595-96181

3556

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	(ES)						
(FEET)	71	۰ ۸۱	N Al	۸I	٨١	1 2 %	71	۲۱ ۲۱	YI 71	Ā	% AI	*	λl Z	2 5/16	N M	٨١
NO CEILING	54.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
18000				67.7	58.4		68.4		4.89	4.89	4.0	68.4		68.4		
	66.5	69.7	0	70.3	71.0		:						-	-		
	70.07	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	74.00	2	74.8	75.5	75.5
800	72.3	75.5		76.1	0		0 0	. 0	76.8	9		76.8	76.8		76.8	76.8
VIV 7000 7000	73.6	77.4	78.1	78.1	78.7	78.7	00 0	78.7	æ 0	78.7	78.7	78.7	78.7	78.7		78.7
1	75.5	79.4			80.7	80.7	80.7	80.7	80.7		80.7	80.7	80.7	80.7	80.7	80.7
2000	77.4	81.3		81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4500	77.4	E . T . R	81.9	81.9	82.6	82.6	95.0	82.6	82.6		82.6	82.6	82.6	82.5	82.6	
1	78.7		83.9	200		3			84.5	4	84.5	84.5	3	*		84.5
3000	79.4		84.5	*	10					•		85.2		•		85.2
2 2500	81.3	85.8	86.5	6.	87.1	87.1	87.1	87.1	87.1	87.1	37.1		87.1	87.1	87.1	87.1
2 2000	•	87.1	87.7	87.7	98.4	88.4	88.4	98.4	88.4	88.4	88.4	38.4	88.4	88.4	88.4	88.4
1800	83.2	87.7	4.88	8	89.0	89.0	89.0		89.0		99.0	89.0	89.0		89.0	
1	•	91.0						N		2	92.3			2	3	92.3
W W	87.1	00.00	v m	93.6	94.2	200	96	94.0	94.2	94.9	4	94.2	94.2	94.2	94.2	
	1		93.6	60	2.46							2.46			*	94.2
800	4	93.6	94.2	95.5	1.96	96.1	96.1	96.1	96.1	96.1	96.1	1.96	1.96	1.96	0	96.1
2 700	88.4	93.6	94.2	1.96	4.16	97.4	4.16	4.16	4.16	4.46	4.76			97.4	97.4	97.4
00 Al	88.	94.2	95.5	97.4	7.86	98.7	7.86	98.7	7.86	98.7	1.86	98.7		98.7	2.86	98.7
200	88.4	94.2	95.5	97.4	98.7	7.86	98.7	5.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
400	68.4	-	95.5	4.7.4	7.86	98.7	98.7	5.66	4.66	4.66	4.66	40.66	4.66	4.66	4.66	4.66
300	4.88		1.96		4.66	4.66	40.41	00.03	00.00	00.00	•		0	0	0	000
	88		96.1	98.1	4.66		66.41	00.00	00.00	0000	00.00	0000	00.00	0	00.00	000
80	٠ ښون ښون			98.1	4.66	4.66	4.66	00.01	00.00	0000	00.00	00.00	00.01	00.00	00.00	000
1	4 20	34.5	30.1	3.00	99.4	29.4	99.66	00	00.00	000	00.00	0000	0000	0000	000	000

3000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73

DALLAS. TEXAS

11.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2.1 SHOOM

	٨١	6119	47.	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2	83.9	87.1	87.1	90.3	91.6	95.9	95.9	95.5	95.5	95.5	96.1	96.8	4.66	4.66	100.0	0.00
	ΛI	6.19	7.1	67.7	67.7	71.0	73.6	13.6	75.5	76.1	76.8	81.3	81.3	81.3	-	83.2	83.9	87.1	87.1	90.3	91.6	65.6	95.9	95.5	5.5	5	96.1	8.96	4		0	
	≥ 5/16	611.9	1	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3		81.3	81.9	83.2	83.9	87.1	87.1	8003	91.6	92.9		95.5	95.5	95.5	1.96	96.8	4.66	4.66	100.00	
	۲۸ ۸	61.9	1	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2	83.9	87.1	87.1	90.3	91.6	92.9	92.9	95.5	95.5	95.5	96.1	96.8	4.66	4.66	100.00	0.00
	* AI	611.9	7	67.7	67.7	71.0	73.6		15.5	76.1	76.8	81.3	81.3	81.3	:	83.2	63.9	87.1	87.1	8006		65.6		95.5	95.5	95.5	1.96	8.96	4.66		0.00	
	% 1	6.19	-	67.7	67.7	71.0	73.6	73.0	75.5	76.1	•	81.3	81.3	81.3	81.9	83.2		87.1	87.1	90.3	•	92.9	6.36	95.5	98.5	95.5	1.96	96.8	4.66	4.66		100.00
LES)	ŽI.	6.19	-	67.7	67.7	71.0	73.6	-	75.5		76.8	81.3	81.3	91.3	81.9	83.2	3	87.1	87.1	90.3	-	65.6		95.5			96.1	8.96		4.06		100.00
ATUTE MI	VI 7/2	61.9	1	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2	83.9	87.1	87.1	90.3	91.6	-	92.9	95.5	95.5	95.5	96.1	96.8	7.86	98.7	4.66	4.66
VISIBILITY (STATUTE MILES)	%۱ ≥	61.9	1	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2	83.9	87.1	87.1	80.3	91.6	95.9	92.9	95.5	95.5	95.5	1.96	96.8	7.86	98.7	4.66	4.66
N N	7	6.10	67.5	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2		87.1	87.1	90.3	91.6	92.9	92.9	95.5	95.5	95.5	95.5	96.1	4.7.6	9.26	4.16	4.7.6
	≥ 2%	61.9		67.7	67.7	1.0	73.6	73.6	75.5	76.1	76.8	61.3	81.3	81.3	81.9	83.2	83.9		87.1	90.3	91.6	6.26	92.9	55.5		95.5	95.5	96.1	4.46	47.4	47.4	4.6
	٨١	61.9	47.0	67.7	67.7	71.0	73.6	73.6	75.5	76.1	76.8	81.3	81.3	81.3	81.9	83.2	83.9		87.1	90.3	91.6	95.9	6.26	95.5	95.5	95.5	95.5	96.1	97.4	97.4	4.76	4.76
	1	61.3	66.6	67.1	67.1	70.3	72.9	72.9	74.8	75.5	76.1	80.0		80.0	80.7	81.9	82.6		85.8	69.0	90.3	91.6	91.6	94.2	94.2	94.2	94.2	2.46	94.8	94.8	94.8	94.8
	\$ 1	61.3	46.8		67.1	70.3	72.9	72.9	74.8	75.5	76.1	-	-	and the same of		6.18	82.6	-	85.8	R8.4	89.7	91.0	016	93.6	93.6	93.6	93.6	93.6	94.2	94.2	2.46	94.2
	9 AI		2 44	67.1	67.1	70.3	72.	72.	74.	75.5	76.1	80.0	80.0	80.0	80.7	81.	82	85.8	85.8	88.4	89.7	0.16		93.6		93.6		3	7	94.2	4 .	3
	01 <		4	68.2	65.2	68.4	71.0	71.0	72.9	73.6	74.2	78.1	78.1	78.1	78.7	80.0	80.7	83.9	83.9	85.8	36.5	86.5	96.5	87.7	87.7	87.7	87.7	87.7	67.7	87.7	87.7	87.7
CEILING	(FEET)	NO CEILING	7	141		> 12000	V 10000	0006	8000	> 7000		> 2000	1	1 4000		3000	2500	> 2000	1800	1500	1200	VI 000	8	800		009		400		300		١٨١

TOTAL NUMBER OF OBSERVATIONS

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IZEVS-DE

1811

1240

TOTAL NUMBER OF OBSERVATIONS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	2 11	٠ ٨١	S AI	A1	e Al	≥ 2%	N N	۲۱ ۲۲	VI 7.	ĀI	% AI	* 1	S AI	2 5/16	AI AI	٨١
NO CEILING	30	51.1	51.4	51.7	51.9	0.00	51.9	51.9	58.9	51.9	2.88	51.9	52.0	52.0	52.0	52.0
18000		58.	58.7	0.00	59.3	59.4				00		00			00	59.4
12000	0.00	59.	59.8	60.1	60.3	4.09	4.09	4.09	4.09	4.09	4.09	4.09	60.5	60.5	60.5	60.5
VI VI 9000 0000		63.9	* *	64.5		64.3	64.0	9.40	00.4.0 0.00	4 10	65.3		62.0	64.9	64.9	
VI VI 7000 7000	63.6	67.3	66.7	67.9	67.3	67.3	67.3		67.3	67.3	67.3	67.3	67.4	63.3	4.19	
9 9 9 A1 A1	0.50	70	70.7	71.0	69.0	71.4	71.4	71.4	71.4	71.4	69.0	71.4	71.5	71.5	71.5	69.1
VI VI 4500 4500	67.5		71.3	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1
3200	70.07	73.	74.1	74.47		76.9	74.9	74.9		74.9	76.9	74.9	76.9	75.0	75.0	75.0
1717	74.1		31.6	82.0	79.3	79.4		4.64		79.4	79.4	79.4	19.4	19.4	79.4	79.4
VI VI 0881 0882	80.8	888	82.8		. ·		83.9								84.0	
Y Y 1200	82.3	89.	90.5	91.1	89.7	93.8	89.9	91.9	6.16	89.9	91.9	91.9	90.0	90.0	90.0	90.0
8 & AI AI	83.2		90.7	91.6	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	
VI VI	0.4.3	99	93.2	94.0	94.6	98.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
VI VI 8 8	\$ \$ \$ \$ \$	4.18	93.9	95.2	96.5	96.1	96.2	96.7	97.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9
8 8 11 A1	34.4	91.	93.8	95.7	97.2	97.4	98.2	98.6	98.6	98.9	98.9		9.66	99.0	9.66	99.66
VI VI	2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	91.5	93.8	95.7	97.3	97.5	98.5	0.66	99.1	99.8	99.8	99.91	00.00	100.00	00.00	00.00

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DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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00 HOURS (1 S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) DALLAS, TEXAS

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(53)						
(FEET)	5 71	۸I	45	٨١	E AI	≥ 21/2	7 7	۷۱ ۲۷	VI 7.	71	λl K	* Al	% AI	2 5/16	AI N	٥
NO CEILING		500	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
18000	61.3	62.0	62.0	· No	62.7	120		Ni	62.7		62.7	200	62.7	6.7	200	62.7
	62.0	62.	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3			63.3	63.3	63.3	63.3
> 12000	62.7	63.		7	64.0		64.0		•	. 4	0.49	•	0.49		0.49	
10000		40	0.49	64.7	64.7	64.7	64.7		1.49		64.7	64.7	54.7	64.7	64.7	
	67.3	200		68.7	68.7	\$ 30	68.7	68.7	58.7	68.7	68.7			68.7	68.7	68.7
i	68.7	69	69.3	70.0	70.0	70.0	70.0		70.0	0	70.0	0	10.0		70.0	70.0
000 2000 41 ^1	73.3	72.	72.0	72.7	72.7	72.7	72.7	72.7	74.7	72.7	74.7	74.7	74.7	74.7	74.7	72.7
1	73.3	74.		74.7	74.7	74.7	74.7		74.7			4.	74.7	4.	74.7	74.7
7 4000	75.3	76.	•	76.7		9		9	76.7			9	9	0	0	
> 3500	78.7	79.			•		0			0	0	ċ.	0	ė.	0	
- 1	81.3	33	93.3	84.0	4	84.0	84.0			4		\$		4		
2500	82.7	00 c	50		9	0	9	•	9				36.0			
1	34.0	, a	2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.88	80.0	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0	0 0 0	88.0	200	000	36.08	200	80.0	0 0 0
1508	86.7	90.	90.7	-		:			:	2			92.0			
2 1200	67.3	91.	91.3		92.0	92.0	92.0		92.0	2			92.7	92.7		
	0	92.	92.0	92.7	3.		•	\$	94.0	+	7.96	7. 76	94.7			
& & AI AI	0 0		93.3	96.7	2 6	3 50		. 96	96	000	000	96.7	96.7	96.7	96.7	96.7
	88.7	94.	1.40	\$		0	7	7.			0.86		98.0			
009	88.7	. 56	2.56		7.06	96.7	97.3	97.3	81.3	98.0	0.86		0.86			98.0
> 500	89.3	96	0.96	97.3	98.0	98.0	7.86		4.36	6	66.3	6		60.0	66.3	
	89.3	.96	0.96	67.3	98.0	0.86	98.7		98.7	86.66			66.3	66.3	66.3	99.3
300	89.3	96.	1.06	98.0	98.7	98.7	66.3	6	99.31	100.00	0.001		00.00	0.00	100.00	0.001
> 200	89.3	96	96.7	0.06	98.7	98.7	99.3	8.66	99.31	10000	0.001		100.00	0000		0.00
VI 8	89.3		1.96	0.86		98.7	99.3	5	99.31		000	0	0	0.001	0.001	0.001
	69.3	96	1.96	0.86	7.86	98.7	66.3	66	99.31	100.001	0000	100.001	000	0000		0.00

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

93901 STATION

TOTAL NUMBER OF OBSERVATIONS

www.wooowrrworwowwoworworwwoooo

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS STATION NAME

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.3 HOURS (1.5.T.)

200

A P R

								VISIBILITY (STATUTE MILES)	ATUTE MILE	ES)						
2 0 2 6 2 5	۸۱			4	۸۱	≥ 21/2	۲ ۲	٧١ ٢	۷۱ ۱۷	۱ ۱	% AI	*	٧,	≥ 5/16	VI VI	٨١
51 3 53 3 53	3.3		10 10	53.3	53.3	53.3	52.3	9.6	53.3	53.3	53.3	53.3	53.3	52.3	53.3	53
50 50	6.0	80 8 80 6	9	500	•	53.3	•	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53
.3 53.3	200	33	m	53.3	3	53.3	53.3			53.3	in	m		8	53.3	53.
56.0 54	3 5	4	0	54.0	54.0	5000	54.0	24.0	56.0	54.0	54.0	56.0	56.0	56.0	56.0	56.
0 56.0 56.	56.	9	50		9		9		9	56,0	0	.0	0	9		56.
.7 59.3	10	56	m t	59.3	59.3	50.3	59.3		6		59.3			59.3	59.3	59.
63.3 66.0 66.	0 0	66	1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	1.70	66.7	66.7	66.7	.99
0 68.7 6	.7 6	69	(2)	69.3	69.3	69.3	69.3	69.3	69.3		69.3	69.3	69.3	69.3	~	69
7 69.3 70.	3 70.		Or	70.07	70.0	70.07	70.0	70.0	70.0	70.0	70.0	70.07	70.07	70.07	70.07	70.
70.7	70.7		- 15	71.3	: :	71.3	71.3		:	71.3	71.3	71.3		71.3	71.3	71.
72.0 7	72.0 7	72.	-	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.
74.7	74.7		01		9	9					77.3	2	77.3	77.3	77.3	77.
76.0 81.2 82	81.40		9	82.7	05.0	63.0	86.0	34.	94.0	0.70	84.0	34.0	84.0	84.0	84.0	2 4 8
00	86.7 88	00	0					0	0			0.06		0	90.0	90
0.88	8 0.88	68	203		0	0.06	7.06	91.3		91.3			91.3		91.3	91.
82.7 88.0 90.	10	000	ar	0.00	90.7	9000	0000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.
90.7	6 1	92.	-	63.3					95.3	95.3	95.3	100	95.3	95.3	95.3	95.
91.3	91.3 0		3		*		95.3		0.96			0.96		0.96		96
0.76.0	0.00		or			27.0				98.7		7.86		œ (98.7	
86 40 94.7 96.	7 6		-1	27.0	200	000	98.7	66.	99.3	99.3	99.3	99.3	99.3	99.3	2000	99.
1.46 00	6 1.46	96	~	67.3		0.86	99.31	00.00	0.00	0.001	0.001		0.001	0000	00.00	.00
1.460.		06	1		8.	0.86	6.56	00.0		0	100.0		0000	00.00	00.00	.00
86.0 94.7 96	- 1	90	-	m en - 1.6	98.0	000	60.00	00.00	00.00	000	0000	00.00	0000	0000	000	000
		-	1			1	1	1	•	-	1			-	XXXX	2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS. TEXAS

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A P R

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	NTUTE MILE	(5)						
(ree!)	VI 5	9 AI	VI VI	۸I	e Al	2 2%	7	۷۱ ۶۲	VI %	٨١	% AI	*	% Al	≥ 5/16	N N	٨١
NO CEILING	37.3	40.7	2	42.0	43.3	43.3		43.3		173	3		43.3		0.44	44.0
¥ 20000	•	44.7	46.0	46.0			47.3	•					1		48.0	48.0
≥ 18000	40.7	44.7	9	46.0	47.3	47.3		47.3	47.3	47.3	47.3	47.3	47.3	47.3	•	48.0
	40.7	44.7	40.0	46.0		47.3	47.3	47.3	47.3	47.3	47.3			47.3	48.0	48.0
	40.7	44.7		46.0	47.3	47.3	47.3	47.3		47.3	47.3		1.	47.3	0.84	48.0
≥ 12000	40.7	44.7	46.0		47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	1.	47.3	48.0	48.0
1	42.7	48.0	0	50.7		52.0	52.0		C	~		2.	2		52.7	52.7
> 2	42.7	48.0	50.0		52.0	52,0	52.0	52.0		52.0	52.0	52.0		52.0	52.7	52.7
	45.3		N	53.3							4	*	4	54.7	55.3	55.3
> 7000	46.0	51.3	3	54.0		55.3	55.3	56.0	0	9			0	56.0	56.7	56.7
	48.7	54.7	•	57.3	58.7	100000		56.8		0	59.3	59.3	0	59.3	0	0.09
> 5000	52.7			62.0		63.3			4		*	. 4	*	•	65.3	65.3
	52.7			62.0		63.3	6		0.49		64.7	24.7	64.7	04.7	65.3	65.3
× 4000	52.7	00	2.	63.3	64.7	54.7	54.7	65.3		0.99	.0	9	. 9	9	9	66.7
> 3500	52.7	61.				00	•	0		.0	0	. 9	.0	9		67.3
	53.3	62.	3	0.99		40	0.89		8	6	6	69.3	6			70.0
> 2500	55.3	. 59	67.3	œ	70.0	70.7	•	72.0		2	72.7	72.7	2.	72.7	3	
1	57.3	.90	6	.0	5	0	73.3				. 49	74.7	. 4		3	75.3
7 1800	57.3	57.	0	70.7	•	7 23 . 33		74.7	4		75.3	75.3	2		76.0	76.0
1	59.3	70.7	~			0	77.3		00	00		78.7	3	80	0	79.3
N 1200	2.09	74.7	-	78.0	ċ	-	2	82.7	2	8	83.3	83.3	9	83.3		84.0
	62.7		4	* *		20	88.7	89.3	0	0.06	0.06	0.06	0	90.0	0	40.0
8	63.3	81.3	i			60	0.06	40.1	7.06		91.3			91.3	95.0	0.26
800	63.3		3		89.3		90.7	91.3	-	92.0	3.	92.0	2		92.7	92.7
700	64.7	82.7	ò	87.3	90.7		0.76	92.7	92.7	93.3	63.3	93.3		93.3	0.46	0.46
909	65.3		00	89.3	92.7	93.3	0.96		4	95.3	3	62.3	5		0.96	0.96
200	65.3	85.3	6	40.3	0.46	64.7	95.3	0.96		1.96	2.96	1.96	0	7.96		97.3
	65.3		6		0.50	94.7	95.3	0.96		7.96	9	1.96	.0	196.7	97.3	97.3
300	65.3	68.3	5	91.3	44.7	53.3	1.96	8.16	81.3	0.86	0.86	0.86	0.86	98.0	68.7	48.7
1	65.3	65.3	89.3	91.3	7.46	95.3	7.06	6.76	97.3	7.86		1.86	7.86	98.7	66.3	6.66
8	65.3	'n.	6.68	6116	1. 76	98.3	1.96	6.76		7.86	1.86	7.86	1.86	7.86	€ 66	8.66
	5	85.3	6	91.3		98.3		97.3	97.3	120		7.86		98.7	66.3	00.00

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.00 HOURS (1 S T) A P R

2000

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5:						
(FEET)	5 7	۸۱	۷) ۸۱	4	٨١	2 2%	7	۲۱ ۲۸	71 71	- AI	% Al	* Al	الا الا	≥ 5/16	٧١ ٪	٨١
NO CEILING	40.7	42.0	43.3	43.3		43.3	43.3	43.3	43.3	43.3	43.3			43.3		43.3
	42.0	44.0	4303	46	46.0	0	46.1	40.1	40.7	46.	40.	0	40.	400	40.1	40.1
18000		44.7	40.0	40.	40.	47.3	47.5	4.	41.3	47.3	41.3	41.3	41.3	4	41.3	41.3
	42.7	44.7	46.0	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	41.3	47.3	47.3	47.3
	42.7	44.7	0.94	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	42.7	44.7	46.0	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
	47.3	50.0	52.0	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	24.7	54.7	54.7	54.7	54.7
0006	47.3		52.0	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
	49.3	54.0	56.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
2000	49.3	54.0	56.0	57.3	58.7	59.3	•	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
	6.64	54.0	86.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
> 2000	51.3	57.3	59.3	60.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1		58.7	60.7	62.0	63.3	64.0	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
V 4000	52.7	0.00	62.0	0.49	65.3	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
> 3500	52.7	0.09	62.0	0.49	65.3	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	66.0	0.99	0.99
> 3000	52.7	50.7	62.7	64.7	0.99	66.7		66.7	2.99	66.7	66.7	2.99	2.99	66.7	66.7	66.7
2 2500	55.3		66.7	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
- 1	56.0		69.3	71.3	72.7	73,3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
1800	56.7		72.7	76.7	76.0	76.7	76.7	76.7	76.7	76.7		76.7	76.7	76.7	76.7	76.7
	59.3		- 1	85.3	86.7	87.3	87.3	87,3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1200	59.3		82.3	88.7	7.06	91.3	91.3	91.3	91.3	61.3	91.3	91.3	91.3	91.3	6116	61.3
1	59.3	- 1	85.3	0.06	92.0	2	92.7	92.7	92.7	2.			92.7	2	2.	92.7
88	0.09		86.0		92.7	6	93.3	93.3	6		69		63.3	93.3		
	0000	- 1	36.0	0			95.3		95.3	98.3	93.3	75.3			95.3	95.3
82	0.00	82.7	80.7	93.3	0.96	.0	1.96		1006		•	100	100		1.96	
	0.09	-	89.3	0.56	97.3	98.0	98.0	0.86	0.86	98.0	0.86	98.0	0.86		98.0	98.0
200	0.09	82.7	89.3	0.46	61.3	0.86	7.86	1.96	1.86	7.86	98.7	28.1	68.7	98.7	98.7	48.7
	0.09	- 1	89.3	0.46	97.3	98.0	98.7	98.7	98.7	98.7	7.86	98.7	98.7	98.7	7.36	98.7
300	60.7	83	0.06	1.96	0.86	98.7	100.001	100.00	100.001	00.00	100.00		00.00	10000	10000	0.001
	63.7		0.06	1. 76	98.0		00.00	100.01	00.00	00.00	0000		00.00	0000	100.0	00.00
٧١ 8	600.7	83.3	0.06	1.96	0.80	98.7	0000	100.01	10.001	00.00	100.001	10.00		10000	10000	0.001
	60.7	83.3	0.06	64.7	98.0	98.7	00.00	100.00	00.00	00.00	00.00	00.00	00.00	100.00	0000	0000

TOTAL NUMBER OF OBSERVATIONS

63.3 0.49

64.7 0.89

54.0

AI AI

ALAI

ALAI

AI AI

AI AI

ALAL

AI AI

ALAI

AI AI

AI AI

ALAI

85.3

7.06

0.86

98.7

7.96

1.46

96.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS. TEXAS

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

12 HOURS (1 S T) APR

٨١

73.3 58.7 0.0010.0010.00100.0010.0010.0010.0010.00 99.3100.0100.0100.0100.0100.0100.0100.00 0.0010.0010.0010.0010.0010.0010.0010.0010.00 69.3 0.89 62.7 85.3 54.0 73.3 1.96 58.7 63.3 0.49 64.7 80.7 7 . 76 1.96 0.36 49.3 58.7 53.3 40.1 1.86 86.7 ۸۱ 63.3 64.7 0.86 6.64 6.64 54.0 63.0 85.3 6.64 0.49 49.3 6.64 53.3 58.7 58.7 62.7 73.3 80.7 7.06 1.56 7.96 1.96 7.86 2 5/16 6.65 0.89 80.7 0.49 2.49 53.3 24.0 62.7 73.3 85.3 98.0 98.7 6.64 63.3 7.06 49.3 49.3 49.3 2.76 7.96 58.7 58.7 86.7 7.96 2 ٨١ 24.0 62.7 85.3 0.86 6.65 53.3 58.7 58.7 0.49 2.49 68.0 73.3 36.7 2.76 98.7 6.64 63.3 7.96 49.3 6.65 80.7 7.06 6.64 7.96 ٨١ 54.0 0.89 85.3 49.3 6.64 0.49 64.1 1.06 2.96 49.3 6.65 58.7 63.3 73.3 98.0 53.3 58.7 30.7 7.96 62.7 49.3 86.7 1.06 98.7 98.7 % Al 68.0 68.0 68.0 58.7 1.96 40.3 6.65 58.7 63.3 85.3 86.7 1.96 0.86 49.3 53.3 54.0 62.7 62.7 62.7 62.7 0.49 64.7 73.3 7.06 64.7 49.3 80.7 80.7 80.7 49.3 ٦ ١ VISIBILITY (STATUTE MILES) FROM HOURLY OBSERVATIONS) 85.3 0.86 49.3 54.0 0.49 1006 7.96 49.3 49.3 53.3 63.3 63.3 7.46 49.3 49.3 73.3 7.96 98.0 98.0 58.7 86.7 49.3 58.7 64.7 64.7 77 85.3 58.7 0.86 66.3 49.3 53.3 0.49 1.96 66.3 49.3 54.0 58.7 4.7 96.7 66.3 73.3 40.0 86.7 71 85.3 80.66 6666 54.0 0.36 63.3 63.3 66.3 98.7 99.3 6.64 58.7 0.49 0.89 80.7 2.06 2.96 49.3 58.7 64.7 73.3 64.7 2.96 98.0 66.3 86.3 66.3 0.33 49.3 53.3 36.7 6.65 7 54.0 53.3 62.7 66.3 85.3 0.86 98.0 49.3 73.3 40.3 49.3 49.3 58.7 58.7 64.7 0.80 80.7 86.7 7.96 7.86 0.40 50.7 94.1 96.7 98. 98.7 9.11 96 98. 2 21/2 62.7 1.40 49.3 0.86 6.64 49.3 0.89 85.3 7.06 54.0 63.3 0.49 1.96 98.7 58.7 1.96 0.44 69.3 49.3 53.3 58.7 73.3 80.7 2.46 0.86 1.86 98.7 7.86 7.86 98. M Al 67.3 6.64 6.64 54.0 58.7 80.08 62.0 63.3 0.46 6.79 0.86 49.3 53.3 62.7 0.06 6.79 6.64 58.7 0.49 0.96 0.96 0.86 0.86 84.7 0.86 44.0 6.07 0.93 0.86 1.95 4 96.0 0.40 1.96 0.06 2.56 0.49 72.7 1.46 0.96 0.29 63.3 0.96 6.65 6.64 54.0 58.7 58.7 62.7 67.3 84.7 2.96 1.90 1.90 0.44 49.3 49.3 6.64 53.3 1.96 ٨١ 62.0 67.3 0.49 85.3 92.7 0.76 6.64 19.3 89.3 7.26 93.3 0.56 0.76 0.46 6.64 54.0 63.3 0.76 49.3 6.64 6.64 58.7 58.7 63.3 92.7 0.46 53.3 ٨١ 76.0 55.3 76.0 75.0 44.0 75.3 75.3 75.3 76.0 76.0 0.01 76.0 44.0 0.94 51.3 24.7 74.0 75.3 0.9 55.3 72.7 0.55 51.3 58.3 58.7 63.3 0.44 40.7 46.7 08.7 0 ٨١ NO CEILING (FEET) VI VI 00081 16000 V I V 000 000 000 3500 2500 1200 80 8000 2000 4500 800 1500 8 8 300 88

TOTAL NUMBER OF OBSERVATIONS

66.3

98.7

0.86

1.96

0.46

76.0

ALAI

ALAI

150

100

12695-06181

TOTAL NUMBER OF OBSERVATIONS

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (LST.) APR

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
(FEET)	VI 5	9	5 4	4	ار ا	≥ 21/8	7	۷۱ ۲۷	71	ŽI	% AI	* AI	% Al	≥ 5/16	7	٥
O CEILING	48.7		6.64	6.64	50.0	0.06	50.0	50.0	20.0	50.0			0.06	20.0		50.0
≥ 20000	54.0	100 100 100	55.3	55.3	56.0	56.0	56.0	26.0	56.0	56.0	26.0	26.0	56.0	96.0	26.0	26.0
≥ 18000	54.0		55.3	55.3	96.0	56.0	56.0	96.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 16000	54.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	26.0	56.0	56.0	26.0	20.0	26.0	26.0	56.0
	54.0	55.3	55.3	55.3	56.0	56.0	96.0	26.0	26.0	96.0	26.0	26.0	20.0	96.0	26.0	26.0
≥ 12000	54.7	26.0	56.0	56.0	56.7	56.7	56.7	56.7	26.7	56.7	26.7	2005	20.1	26.7	56.7	56.7
	0.00	0.09	0.09	0.00	60.7	60.7	1.09	60.7	60.7	60.7	1.09	1.09	60.7	60.7	2.09	2009
> 9000	58.0	0.09	0.09	0.09	60.7	60.7	60.7	60.7	2.09	60.7	2.09	60.7	2.09	2.09	60.7	60.7
	60.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	3	63.3	63.3	63.3
≥ 7000	0.20	0.49	0.49	0.49	64.7	64.7		64.7	64.7	64.7	64.7	1.49	64.7	64.7	1.49	64.7
	62.7	65.3	65.3	65.3	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2000	65.3	68.7	68.7	68.7	69.3	69.3	69.3	6.69	69.3	69.3	69.3	69.3	69.3	6.69	69.3	69.3
	68.7	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
4000		78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	19.3	19.3	19.3	79.3	79.3	79.3
	0	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3000		64.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
	80.7	86.7	87.3	87.3	98.0	88.0	0.88	o.88	88.0	88.0	98.0	88.0	88.0	0.88	0.88	88.0
> 2000	61.3	89.3	7.06	1.06	91.3	91.3	91.3	91.3	91.3	91.3	61.3	6116	61.3	61.3	91.3	6116
	82.0	0.06	91.3	91.3	95.0	95.0	92.0	95.0	92.0	92.0		0.26		95.0		95.0
> 1500	82.0	6.16	92.7	92.7	93.3	93.3	93.3	63.3	63.3	63.3	93.3	93.3	63.3	93.3	93.3	93.3
-	62.7	92.	63.3	63.3	64.7	64.7	1.56	4.7	1.96	24.7	1.46	64.7	64.7	2.56	4.1	1.46
> 1000	0.40	93.3	64.7	34.7	0.96	96.0	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
006	0.4	93.3	95.3	95.3	1.96	96.7	4.96	1.96	1.96	2.96	1.96	1.96	1.96	1.96	1.96	2.96
	0.4	63.3	95.3	98.3	1.96	20.1	1.96	96.7	1.96	1.96	1.96	2.96	1.96	1.96	2.96	1.96
	4.0	0.46			68.0	0.86	98.0	0.86	0.86	0.86	0.86	98.0	0.86	0.86		0.86
009		4.7	26.7	26.7	98.7	98.7	98.7	7.86	48.7	7.86	7.86	28.1	1.86	98.7	68.7	48.7
200	0.4	64.7	2005	46.7	98.7	68.7	98.7	1.86	7.86	8			7.86	68.7	8	48.7
	0.4	1.76	2.96	96.7	98.7	99.3	66.3	6.66		0		3				66.3
300	9 %	7.40	7.06			00000		0	00.00			0	00.00			0.00
	5	*	100				0.001			0		5	3	•	•	000
80	24.0	200	96	96.7	98.	000	100.001	000	00.00	0000	000	0000	000	0000	000	000
1	•			1							•					

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-

3-77

1.8 HOURS (LST)

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$3						
(FEET)	2	٨١	\$5	AI	es Al	2 2%	7 1	۷۱ ۶۲	٧١ چ	-	% Al	*	N N	≥ 5/16	N N	٨١
NO CEILING		-	57.3	57.3	7	1.	58.0	58.0		80	00		00	00	8	58.7
1 20000	0.00	62.	65.0	0.29	2	2.	62.7		2	3	7	63.3		•	63.3	
2 18000	0.09	O.	95.0	62.0	62.0	62.0	62.7	62.7	62.7	63.3	3	63.3	·	63.3	63.3	63.3
	0.09	62.	62.0	62.0	62.0	65.0	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	60.7	0	62.7	62.7	62.7	62.7	63.3	63.3	63.3	0.49	0.49	0.49		0.49	0.49	0.49
2 12000	61.3	0.49	0.49	0.49	0.49	0.49	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	62.7		0.99	0.99	0.99	0.99	2.99	66.7	1.99	67.3	61.3	67.3	61.3	67.3	61.3	67.3
0006 1	62.7		0.09	0.99	0.99	0.99	66.7	66.7	1.99	67.3	67.3	67.3	61.3	67.3	67.3	67.3
	0.99	70.	70.0	70.0	70.0	70.0	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2 7000	67.3	71.3	72.0	72.0	72.0	72.0	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	0.89	12	73.3	73.3	73.3	13.3	74.0	14.0	74.0	74.7	74.1	74.7	74.7	74.7	74.7	74.7
2000	72.0	76.	77.3	77.3	77.3	77.3	78.0	78.	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	72.7	80.	80.7	80.7	80.7	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4000	74.7		82.7	82.7	82.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
	76.0	83	84.0	0.48	84.0	84.7	85.3	85.3	85.3	86.0	86.0			86.0	36.0	86.0
3000	78.0	86.	86.7	86.7	86.7	87.3	88.0	ି 88	•	88.7	88.7	68.7	88.7	88.7	88.7	88.7
	78.0	87.		89.3		0	2.06	40.7		91.3	61.3			61.3	61.3	91.3
1 2000	80.0	.06	92.0	92.0	95.0	92.7	93.3	93.3	63.3	0.46	0.46	0.46		0.46	0.46	0.46
	90.0		92.0		95.0	92.7	93.3	63.3	93.3	0.46	0.46	0.56		0.46	0.46	0.46
1500	80.7	06	92.7	45.7	92.7	63.3	0.46	0.46	0.46	1.46	1.96	4.7	4.7	64.7	1.46	64.7
	80.7		92.7	92.7	45.7	63.3	0.46	0.46	*	64.7	1.46	64.7	64.7	64.7	64.7	24.7
1000	1.	91.	0.46	0.46	0.46	94.7	65.3	65.3	62.3	0.96	0.96	0.96	0.96	0.96	0.96	0.96
8 Al	81.3	0.26	1.56	1.96		·	. 9		•	0	1.96	200	0	•		1.96
08 AI		95.0	1.46	24.7	65.3	96.1	67.3	97.3	97.3			98.0		98.0	0.86	0.86
	.3	92.0	1.46	1000		200.	97.3	97.3	-		0.86	0.86	9		0.86	
009 AI	.3	92.0	94.7	2.56	95.3	2005	97.3	6.76	61.3	0.86	0.86	0.86		98.0	0.86	0.86
	6.18	92.7	0.96	0.96	1.96	0.86	98.7	98.7		66.3	66.3	66.3	6	86.3	66.8	66.3
۲ 400	61.3	92.7		0.96	1.96	98.0	1.86	48.7	98.7	86.3	66.3			8666		66.3
300		92.7		9	1.96	1.000	66.3	66.3	6 6						0.00	0.00
1			0.0	0.00	20.	78.	86.0	6.46	77.3	0.00	:	0.00		0000	0000	000
80	200	92.7	000	0.00	1.96	200	000	565	99.3	0.00	0000	0000	000	0000	0.00	000
1	4	à	2												2	2

TOTAL NUMBER OF OBSERVATIONS

150

93901 STATION

150

8000

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2.1 HOURS (L S.T.) APR

Y (STATUTE MILES) 1% \(\gamma \gamm	8.7 68.7 68.7 68.7 6	68.7 68.7 68.7 68 68.7 68.7 68.7 68	07 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0	7 72.7 7	7 0.97 0.	77.3 77	0.0	82.0 82		0	.3	0 90	3 93	3 95	0	7 96 7	3 97	-	0010	0100
VISIBILITY (STATUTE MILES) 2.2	8.7 68.7 68.7	68.7 68.7 68. 68.7 68.7 68.	70.0 70.	.7 72.	.0 76	77.	0	2 4			•		tes to	525			24.	0	0 0	
VISIBILITY (STATUTE MILES) 2.2	8.7 68.7 6	68.7 6	70.	72.7	0	3	-		a a		8	90	60	65	96	96	97.	00	000	000
VISIBILITY (STATUTE MILES) 2.2	8.7		00		-	7	80.0	82.0	0.48	83.0		90.0	93.3		0.96	96.7	6.16	•	000	0000
VISIBILITY (STATUTE MILES) 2.2	8.7		00			77.3	0	84.0	84.0	98.0	89.3	90.0	93.3	95.3	0.96	96.7	m	•	00.00	00.00
VISIBILITY (STATUTE MILES)	~ 1	68.7	70.0			77.3		82.0	84.0	0	89.3	92.0	93.3	100	0.9	96.7	6.76	0	000	00.00
VISIBILITY (STATUTE MILES) 2 2 2 1% 2 1% 2 1 4 - 7 64 - 7 64 - 7 64 - 7	68.	68.7	70.0			77.3		82.0	34.0	0	6.3	90.0	93.3		0.96	7.96	6.10	0	00.00	00.00
VISIBILITY (STATUTE MILE:	-	68.7	0.07		16.0	77.3		82.0	01	8.0	89.3	90.0	w t	2.3	0.9	7.96	-	0	00000	00.00
4 4		68.7	70.07		76.0	77.3		84.0	-	0	6.3	90.06	93.3	5	0	96.7	100	0	00.00	00.00
4 4	-	68.7	0.07		76.0	277.3		84.0	-	. 8	15,	90.0	93.3	5.3	0.96	7.96	6.76	0	000	00.00
		68.7	20.07		76.0	77.3	80.0	84.0	01	0 00	6.	90.0	m1		0.96	7.96		0	00.00	00.00
1 2%	8.7	68.7	70.07	72.7	76.0	77.3	80.0	82.0	84.0	8	.3	90.0	93.3	50	0.0	96.7	7.3	5	99.3	99.31
17.49	68.7	68.7	70.07		76.0	77.3	80.0	82.0	84.0		89.3	90.0	93.3	10	0.96	7.96	61.3	66.3	66.3	99.3
124		68.7	70.07			77.3	0.08	84.0	84.0	0	89.3	90.0		. 3	2.96	95.3		98.0	0.00	98.0
2 7 5	68.7	68.7	70.07		70.07	77.3	80.0	83.3				90.3	92.0	0.56	0.46	94.7	65.3	200.7	1.96	96.7
0 0		68.7	70.0	72.7	76.0	77.3	80.0	82.0	83.3	87.3	88.0	90.0	91.3	92.7	92.7	93.3	0.46	0.56	00.	94.0
0 12		65.00	66.7	19 6			1	78.0	1			8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	86.7	200		68.0	0.88	0.88	88	000
CEILING (FEET)	20000	18000	12000	0000	8000	2000	2000	4500	3500		2000	1800	1200	8	800	000	200		88	80

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

ALL HOURS (1 S T)

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SN.							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
EI)	۸۱ 5	φ ΛΙ	8	4	60 Al	> 21/2	7 1	٧١ %٦	۷۱ ۲	- Al	% A1	*	X X	≥ 5/16	NI N	٨١
EILING		o.						51.1	-	-	1	÷.	-	-	-	-
3		+		2 11		•		33.0		•	55.7	2000	2000	•	20.0	20.0
0009	1 4	50.0	1 to	10.00	55.0	S CO	55.0	30.0	50.00	26.0				20.0		26.1
4000		5	- 40	55.8						9	56.3	56.3	56.3	56.3	56.4	56.4
2000			56.1	56.3	50.5	56.6		56.7	56.7	•	86.8	56.8	50.8		80.99	56.8
0000		80	59.3	9.65	6.65	0.00	1.09	60.1	1.09	2.09	0	2.09		60.2		60.3
0006			59.3	24.7	0.09	60.1	60.2	60.2	0	60.3	0	6009	60.3	60.3	60.3	60.3
3000		2	65.9	63.3	63.7	63.8	63.8	63.8	63.8		63.8	63.9	63.9	63.6	0.49	0.49
000		(0)	2.59	64.5	6.49	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
000%		5	66.2	6.99	67.0	1.19	67.2	61.3	67.3	67.3	61.3		61.3		4.19	67.4
200		80	69.1	4.69	6.69	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
1500		3	70.5	70.8	71.3	71.5	71.6	711.7	71.7	71.8	71.0	71.8	71.8	71.8	71.9	71.9
4000			72.5	73.0	73.5		73.8	73.8	73.8	74.0	74.0	74.0	14.0	74.0	74.1	74.1
2500		33	-	14.6	75.1	15.3	18.3	75.4	15.4	15.6	75.6	15.6	15.6	75.6	75.7	75.7
3000		. 9		77.3	41.9	18.		78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.0	78.6
2500		8	6.64	4.08	81.1	61.3	9.18	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9
2000			82.9	83.4	84.1	84.3	34.0	84.7	84.7	84.8	84.8	84.8	84.8	64.8	84.9	84.9
1800		. 3	84.1	9.48	85.3	85.5	85.8	85.8	85.8	96.0	86.0	86.0	80.0	86.0	86.1	86.1
1500		. 9	37.5	88.2	88.9	89.2	89.4	89.6	89.6	86.8	86.8	86.8	89.8	89.8	89.9	68.6
1200		7.	89.4	1.06	91.1	61.3	91.6	91.8	91.8	92.0	0.26	95.0	0.76	92.0	92.1	92.1
1000		00	0.16	95.0	63.1	93.3	43.7	8.66	93.8	94.1	1 . 76	1.46	94.1	94.1	34.5	34.5
006		6	61.7	42.7	93.8	0.46	6.46	64.5	6.46	8.46	3.46	8.76	3.76	8.46	8.46	94.8
800		. 6	95.4	93.6	6.50	95.3	95.0	95.8	8.56	0.96	0.96	0.96	0.96	0.96	66.1	1.96
700		0	93.1	94.3	95.8	1.96	4.95	90.06	9.96	6.96	6.96	6.96	6.96	6.96	0.76	97.0
900			63.6	98.1	1.96	0.26		97.0	9.16	6.16	6.16	61.6	6.16	6.26	0.86	98.0
200			64.5	8.56	6.16	1.16	98.2	6.86	98.3	7.86	1.86	98.7	1.86	48.7	8.86	8.86
400			1.46	0.96	0.10	98.0	98.6	98.8	8.86	1.66	1.66	99.1	1.66	1.66	2.66	36.5
300			94.8	6.96	8.7.6	4.86	6.66	7.66	4.66	8.66	8.66	8.66	8.66	8.66	9.66	8.66
200			94.8	6.96	8.26	4.86	6.66	4.66	4.66	8.66	8.66	8.66	8.66	8.66	6.66	6.66
8			94.8	0	8.76	98.4	6.66	7.66	4.66	8.66	8.66	8.66	8.66	8.66	6.66	6.66
0			94.8	6.96	8.16		0	7.66	5.66		3.66	8 . 66	8.66	8.66	16.66	0000

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AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

1200

SOWS DIRNAVOCEANMET

77.4

80.0

82.6 83.9 86.5 89.0 90.3

80.7

34.2

92.3

4.16 98.1

95.5

72.3

2.3

AI

72.3 72.3 76.8

72.3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DALLAS, TEXAS

93901

HOURS (L S T)

MONTH 00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

100.010 100.01000.01 100.010 100.010 0.0010.00 4.16 4.66 77.4 90.0 65.3 2.76 1.86 72.3 86.5 6006 95.5 72.3 4.66 2.3 12.3 82.6 83.9 89.0 98.1 4.66 2:3 5.66 8.91 80.7 ۸۱ 4.16 4.66 4.66 95.5 4.66 4.66 0.68 2.76 98.1 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 72.3 76.8 80.0 83.9 86.5 6.06 12.3 12.3 12.3 82.6 98.1 92.3 80.7 2 5/16 09 7.66 4.56 4.66 80.0 1.86 77.4 80.5 72.3 92.3 2.46 95.5 98.1 72.3 80.7 95.0 83.9 89.0 90.3 4.16 8.91 4.66 4.66 4.66 4.66 4.66 12.3 2 ۸۱ 4.66 77.4 86.5 72.3 72.3 72.3 72.3 80.0 83.9 0.68 34.2 95.5 4.66 4.66 82.6 4.16 1.86 98.1 90.3 92.3 80.7 ٨١ 86.5 4.79 77.4 76.8 82.6 83.9 89.0 6.06 92.3 95.5 4.66 80.0 98.1 72.3 80.7 2.46 4.66 4.66 4.66 4.66 1.86 ۸۱ 93.9 77.4 95.5 98.1 1.86 76.8 80.0 34.5 97.4 97.4 72.3 86.5 86.5 89.0 90.3 4.66 4.66 72.3 72.3 82.6 92.3 60.7 72.3 80.7 ٦ ا 72.3 72.3 76.8 65.3 4.66 80.3 72.3 77.4 98.1 80.7 89.0 4.66 (2.3 80.0 82.6 83.9 34.5 95.5 98.1 7 0.68 82.6 83.9 4.79 86.5 6.36 1.86 72.3 72.3 72.3 76.8 77.4 80.0 2.46 7.66 95.5 90.3 4.66 4.66 99.4 80.7 98.1 71 72.3 82.6 65.3 34.5 4.16 1.86 4.66 86.5 80.3 4.66 4.66 72.3 72.3 0.68 2.3 12.3 9.9/ 77.4 80.0 80.7 83.9 95.5 98.1 4.66 60.7 7 77.4 95.5 4.66 4.66 \$. 66 (2.3 83.9 86.5 7.16 80.0 4.66 72.3 8.9/ 80.7 85.6 0.68 98.1 96.1 2.3 92.3 34.3 50.0 .00 2 2 1/2 4.16 72.3 80.0 82.6 0.68 3.46 98.1 4.66 4.66 4.66 72.3 77.4 4.66 4.66 72.3 83.9 86.5 95.5 72.3 76.8 6.76 72.3 90.3 98.1 VΙ 83.9 72.3 95.8 7.66 77.4 92.3 4.66 1.86 4.66 82.6 86.5 0.68 34.2 98.1 4.66 72.3 72.3 80.0 30.7 800 76.8 ٨١ 4.66 2.40 4.16 5.66 72.3 95.5 4.66 77.4 80.0 82.6 89.0 72.3 80.7 92.3 2.3 72.3 83.9 000 98.1 5.66 60. 76.8 98.1 2.3 90.3 ۸Ι 96.8 79.4 9:16 96.8 72.3 80.0 85.6 88.4 89.7 93.6 72.3 76.8 81.9 83.2 9.96 98.1 98.1 98.1 7.86 72.3 12.3 1.91 8.46 98.7 98.7 7.86 98.1 ۸۱ 91.0 6.26 7.69 8.97 77.4 79.4 61.9 84.5 6.76 6.26 94.2 2.06 2. 55 58.1 13.0 74.2 82.8 87.7 94.2 94.2 94.2 34.5 34.2 89.7 18.1 34.5 94.2 69.7 60

TOTAL NUMBER OF OBSERVATIONS

155

4.66

SMOS

NO CEILING

20000

18000

12000

8000 7000

2000

ALAI

4500

AI AI

3500

AI AI

2500

AI AI

1800

1200

11 11

808

ALAI

900

AI AI

8 9

AI AI

300

AI AI

80

AI AI

(FEET)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

YEARS

03 HOURS (1 S T)

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							NIS!	VISIBILITY (STATUTE MILES	ATUTE MILE	ES)						
(FEET)	٥ ا	۰ ۸۱	۸I	4	M Al	> 2%	7	٧١ ٧١	۸I ۲	<u></u>	% Al	*	2 Al	≥ 5/16	VI N	٨١
NO CEILING	N		63.2	63.2	63.2	63.2		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
₹ 20000	0	67.1	67.1	67.1	•	67.1	67.1	67.1		67.1	67.1	67.1	67.1		67.1	67.1
	06.5		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
16000	0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	57.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
	0		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1		67.1	67.1	67.1
12000	67.7			4.89	4.99	4.89	68.4	9.89	4.89	4.89	68.4	4.89	4.89	4.89	68.4	4.89
	N		3	72.9	72.9	12.9	72.9	72.9	12.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
000	73.6			74.2	74.2	74.2	24.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
	74.8		3.	75.5	75.5			75.5				15.5		•	75.5	75.5
7000	4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	78.5	75.5	78.5	75.5	75.5	75.5	75.5
1		-	.0	76.8		76.8	•	76.8				16.8	0	76.8	0	76.8
2000	78.1	-	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7		78.7		78.7	78.7	78.7
	and!	1 -	81.9	-			81.9	-	-	-	81.9			6.18	81.9	81.9
1 11	100		3	83.9	83.9	83.9	83.9	83.9					83.9	*	83.9	83.9
	3		3	85.2	85.2			2.50	5		85.2	35.5	3	85.2	85.2	85.2
3000	84.5			85.2	85.2	85.2	85.2			ċ						85.2
	12		.0	86.5	86.5	66.5	86.5	86.5	9	•		86.5		86.5	86.5	86.5
7 2000	88.4		0	89.0	0.68	•	0.68				6	6	6	0		
	00		6	0	0	0.68	0.68	89.0			•	0.68	5	0.69		
1500	91.0		92.3	N	6.26		. 2	3	92.3	2.	95.3		92.3	85.3	92.3	65.3
	-		2	92.9	65.6	6.26	92.9	65.6			65.6		2		5	
1000	C	100	. 4	;	94.2	4	2.76	2.46	2.56	. 4	2.46	64.5		84.5	;	94.2
	N		94.8	94.8	8.40	4 .	9.56	8. 46	94.8	3	8 . 46		3 . 76	94.8	8.46	8.46
08	3			96.1	1.96	. 9	96.1	1.96	1.96	9	96.1	1.96	9	96.1		96.1
	-		.0	96.8	8.96	96.8	8.96	96.8	8.96	8.96	8.96		9006		96.8	96.8
00 A1	7			98.7	68.7	98.7	68.7	7.86	8	8	48.7	68.7	8		98.7	98.7
	m.	1	98.1	98.7	7.86	7.86	5.60	9.66	4.66	4.66	4.66	4.66		4.66	4.66	4.66
400	93.6	-		98.7	98.7	0	5.66	466	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	*			4.66	4.66	4.00	0.001	10001	00.00	0000	0000	00.00	0000	0000	100.0	10000
300	93.0			99.4	4.66	4.66	0.00	100.00	00.00	0.00	0000	00.00	0.00	0.00	100.0	0.001
	3		98.7	90.4	4.66	4.66	0.001	10000	00.00	0.00	00.00	00.00	00.00	0.00	100.0	10001
٥	93.6			4.66	4.66	4.66	0.00	100.001	00.00	00.00	00.00	00.00	0	0.00	0.001	0.001

TOTAL NUMBER OF OBSERVATIONS

155

1111

SMOS DIRNAVOCEANMET

67.1

67.1

67.1

66.5

4.89

4.89

4.89 70.3

63.9

63.9

63.9 66.5

63.9

63.9 60.09

58.1

58.1

58.1

74.2

74.2

74.2 74.2

72.3

70.3

70.3 72.3

72.3

74.8

74.8

74.8

74.8

74.2

74.2 74.2

77.4

77.4

4.11

80.7

80.7

80.7 80.7

85.8

85.8 85.8

87.1 6.26 93.6 8.46

87.1 65.6

87.1 65.6 98.1

7.86

4.66

98.1

91.6 91.6

78.7

0.09

78.7

0.09 0.09

8 8

78.7

78.7

0.09

88

AI AI

17.4

0.09

78.1 78.7

0.00

0.09

88

16.8

0.09

88

1.86

4.86 98.1

96.1

1.96

93.6

93.6

8.76

8.46 1.96

80.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

STATION NAME

DALLAS, TEXAS

93901 STATION

99 HOURS (1 S T)

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

٨١ VISIBILITY (STATUTE MILES) 77 56.8 17 ٨I 7 51.0 56.8 7 2%

17

٨١

CEILING (FEET)

NO CEILING

2 20000 48.4

37.4

49.7

38.7

Y 14000

54.8 8 . 45

6.64

6.64

000 000 000

57.4 58.1

46.5 47.1

800 700 800

48.4

37.4

48.4

٨١

2 5/16

2 A 56.8

56.8

56.8

56.8

56.8

80.7 80.7 80.7 5.99 74.8 93.6 6.26 8.56 56.8 72.3 85.8 67.1 4.89 70.3 56.8 58.1 63.9 63.9 74.2 77.4 80.7 87.1 98.1 7.86 74.2 1.96 56.8 ٨١ 72.3 4.89 77.4 63.6 70.3 74.2 80.7 85.8 85.8 85.8 1.96 63.9 66.5 74.8 93.6 8.46 56.8 56.8 58.1 74.2 87.1 67.1 80.7 65.6 21.0 % Al 80.7 56.8 56.8 56.8 74.2 77.4 65.6 94.8 67.1 72.3 87.1 63.9 63.9 66.5 93.6 93.6 98.1 63.9 63.9 68.4 70.3 58.1 74.2 80.7 80.7 96.1 98.7 98.7 66.5 70.3 67.1 4.1.6 74.2 87.1 4.16 58.1 4.89 72.3 74.2 74.8 77.4 6.26 8.76 95.5 96.8 50.8 80.7 56.8 56.8 63.0 85.8 93.6 96.8 4.76 58.1 70.3 74.8 56.8 67.1 72.3 74.2 80.7 6.26 77.4 8. 76 63.9 \$ 89 74.2 80.7 65.5 4.16 66.5 87.1 67.1 87.1 9.76 80.7 93.6 8.96 5.16 80.7 56.8 63.9 70.3 77.4 6.26 56.8 56.8 72.3 72.3 74.2 74.8 56.8 63.9 95.5 58.1 66.3 67.1 4.80 74.2 74.2 56.8 4.80 74.00 6.26 24.5 96.1 58.1 63.9 67.1 92.3 63.9 66.5 70.3 17.4 8.96 80.7 80.7 94.8 73.6 86.5 6.26 8.46 57.4 63.2 6.99 74.2 1.69 80.0 95.5 65.5 73.6 80.0 56.1 85.2 91.6 6.76 93.6 50.3 56.1 56.1 1.19 W VI 61.9 91.6 54.8 61.9 82.6 91.6 64.5 91.6 0.64 6.99 4.89 72.3 74.8 78.1 83.9 80.0 8006 54.8 56.1 72.9 4.83 54.8 65.2 72.3 78.1 70.3 69.7 ۸۱ 78.1 91.6 51.6 58.1 9.79 4.89 73.6 73.6 85.2 8.58 31.6 10.3 51.6 4.89 4.64 83.9 04.0 86.5 52.9 58.1 61.3 64.5 60.0 0.69 86.5 86.5 46.5 1.09

61.3

0.64

9000

53.5

64.5

50.0

4500 4000

AI AI

64.5 65.5 66.5

51.6

3000

11 11

52.9

29.4

47.1

0.69 0.69

54.8

2000

AI AI

72.9

58.1

76.1

0.09

900

AI AI

72.3

57.4

1500

AI AI

54.8

TOTAL NUMBER OF OBSERVATIONS

155

0.0010.0010.0010.0014.66 99.4400.0400.0400.040.06

4.66

40.06

1.36

1.86

86.5

78.7

0.09 0.09

80

SMOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

YEARS

MONTH

					TOTAL SOLUTION OF THE STATE OF	(100		20							0	
					(FROM	HOURLY	LY OB	SERVA	OBSERVATIONS) (1)					NOURS (1 S	. 2.1
CEILING							VISI	BILITY (ST/	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	2	۱۸	N 5	1	۶ ۸۱	> 21/2	AI	VI 71	71	- AI	% AI	*	% AI	≥ 5/16	NI N	O Al
NO CEILING	42.6	00	48.4	48.4	48.4	48.4	48.4	4.8.4	48.4	48.4	48.4	48.4	49.4	48.4	48.4	48.4
≥ 20000	9	53.6	54.2	4	54.8	54.8	. *	54.8	•	54.8	54.8	54.8	54.8	54.8	54.8	54.8
	46.5	3		54.8	54.8	. +	54.8	54.8	54.8	54.8	24.8	54.8	24.8	54.8	54.8	54.8
16000	46.5	6	54.2	54.8	84.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8		54.8
	46.5	3.	54.2	54.8	54.0	54.8	54.8	54.8	54.8	54.8	54.3	54.8	24.8	54.8	54.8	34.8
≥ 12000	47.1			58.8	55.5	55.5	55.5	55.5	55.5	55.5	52.5	52.5	55.5	55.5	55.5	55.5
		*	58.7	59.4	50.4	20.4	4.69	39.4	59.4	59.4	29.4	29.4	29.4	7.65	29.4	29.4
000	51.6	0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	1.09	2.09	1.09	60.7	60.7	40.7
			63.2	63.9	63.6	63.9	63.6	63.6	63.9	63.9	63.6	63.9	63.9	63.6	63.9	63.9
7000	54.5			64.5	64.5	64.3	6.40	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
1	54.2	100	63.9	64.5	64.5	64.5	64.5	64.5	54.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2000	8.40	*	65.2	65.8	65.8	8.50	65.8	65.8	65.8	8.59	65.8	8.59	8.59	65.8	65.8	65.8
	55.5	65.8		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
000 1 A I	56.8			-0	0.69	0.69	0.69	0.69	0.69	0.69		0.60	0.69	0.69	0.69	0.69
	.0		0.69	69.7	1.69	69.7	69.7	1.69	69.7	1.69	69.7	69.7	69.7	1.69	1.69	69.7
3000	58.1	71.0	71.6	-	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	60.7		74.8	75.5	75.5	18.8	75.5	75.5	15.5	75.5	75.5	15.5		75.5	75.5	75.5
7 2000	65.8	61.3		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	58.4	84.5	33		85.8	65.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1500		92.3	65.		2.46	34.5	3.46	2.46	34.5	34.5	64.5	2.46	34.5	2.46	34.5	2.46
	71.6	92.3		94.2	3.46	2.56	2.46	2.46		34.5	2.76	2.46	2.56	34.5	2.46	2.56
000	140.00	5.46		96.1	96.1	96.1	96.8	8.96	•	96.8	96.8	8.96	90.8	96.8	8.96	96.8
	100	34.5		8.96	8.96	96.8	4.16	4.16	4.16	4.16	4.16	4.76	4.16	4.16	4.16	4.16
N 800	4.0	95.5		98.1	98.1	98.1	1.80	98.7	68.7	7.86	4.66	4.66	4.66	4.66	4.66	4.66
	643	98.5		1.86	98.1	98.1	98.7	7.86	7.86	7.86	4.66	7.66	4.66	4.66	4.66	4.66
% AI	200	95.5		98.7	98.7	98.7	\$. 66	4.66	4.66	4.66	00.00	0.	00.00	00.00	00.00	0.00
	2.00	95.5		1.86	98.7	7.86	5.66	7.66	4.66		00.00	10.00	00.00	0000	0.00	0.00
V 400		95.5		98.7	98.7	98.7	4.60	4.66	4.66	4.66	00.00		00.00	00.00	0.00	0.00
30	2 . 3	95.5		7.86	98.7		4.66			0	00.00		00.00	0		0.00
700	2.3	98.8		98.7	7.86	98.1	5.66		4.66		00.00	•		0.00	0	0.00
8	4.12 3	50.00	1.96		98.	7.80		5.66	4.66	4.66	ė e	0	0	0000	0	0.00
	2	40.0	- 1	700	36.1	76.	4.66		33.4	7.4.4	00.00	0.00	0000	0.00	0.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

SMOS

1556

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASS TEXAS STATION NAME

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.2 HOURS (1.5.T.) MONTH

2

CEILING							VISI	VISIBILITY (STATUTE MILES	ATUTE MILE	(S)						
(FEET)	71	٨١	۸I	٨١	۸I	> 2%	7	۷۱ ۲۲	۸I ۲	-	% AI	*	χ ΛΙ	≥ 5/16	ΛI -2	٥
NO CEILING	in	47.7	47.7	47.7	47.7	47.7		47.7	47.7	47.7	47.7			47.7		47.7
≥ 20000	54.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	1.95	56.1	56.1	56.1	20.1	56.1	56.1	56.1
	54.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1			20.1			56.1
16000	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	26.1	26.1	1.99
	54.8	56.8	86.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	80.95	56.8		56.8	56.8	56.8
12000	55.5	57.4	57.4	57.4	57.4	97.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	0.09	61.9	61.9	6119	61.9	61.9	6.10	61.9	6.19	61.9	61.9		6119	61.9	61.0	6119
000	60.7	62.6	62.6	65.6	62.6	62.6	62.6	65.6	62.6	65.6	9.29	9.29	9.29	62.6	9.79	•
	61.0	63.9		63.8	63.6	63.9	63.9	63.9	63.9	6.69			3	63.8	63.6	63.6
1 7000	6.10	63.9	63.9	63.9	63.8	63.9	63.9	63.6	63.6	63.9	63.8	63.9	63.6	63.0	63.9	63.6
	63.2	65.2	5.59	2.59	85.8	65.8	65.8	8.59	65.8	65.8		3	65.8		65.8	65.8
> 5000	63.2	65.8	•	65.8	66.5	66.5	60.8	66.5	66.5	66.5	66.5	60.9	999	66.8	66.5	66.5
	64.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	1.	67.7	67.7	67.7	67.7
4000	67.7	70.3		71.0	71.6	71.6	71.6	71.6	73.6	71.6	71.6		71.0	71.6		
	72.3	76.1	76.8		78.1	00	78.1	78.1	78.1	78.1	•		·			8
3000	77.4	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	63.9	83.9		83.9	83.9	83.9	83.9
	90.7	87.1	87.7	-	0.68	6	0.68	6	39.0	6	6	6				
71	85.2	91.6	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.0	
	85.8	92.3		65.6		84.2	2 . 56	*	2. 46	2.46	2.46	84.5		2.48		2.46
1500	86.5	93.6	34.5	34.5	95.5	95.5	96.1		9			96.1	1006			1.96
1200	87.1	8.76	1.96	5	4.16		98.1	œ	1.96	8	98.1	8	1.86		98.1	98.1
0001	87.1	95.5		0	98.1	98.1	7.86	8	2.86			28.1	7.86			18.1
	87.1	95.5		ė	98.1	98.1	68.7	20	4.86	98.7		00	68.7			1.96
08 A1	87.1	99.8	96.8	0	1.96	98.1	98.7		7.86	1.86	1.86	68.7	68.7	28.7	7.86	
	87.1	95.5			98.1		1.86		2.86	2.96		28.7	2.96	2.96	1.86	
000	87.1	95.3	96.8	8.96	98.7	98.7	9.66	4.66	4.66	4.66	4.66	6	4.66	4.66	4.66	4.66
	87.1	95.3		6.	98.7		4.66		5.66		4.66	4.66	4.66	4.66	•	4.66
7 400	87.1	95.5	8.96	96.8	98.7	98.7	5.66	4.66	4.66	4.66	0.00	00.00	00.00	00.00	00.00	0.00
300	87.1	95.5		·			4.66	6	4.66	6						0.00
1 200	87.1	95.5	•			7.86	9.66	4.66	4.66		•	00.00	00.00	00.00	•	0.00
8	87.1	50							6	6	0.00		:	0	0	0.00
	87.1	95.5	30.8	96.8	1.36	180	4.66	4.66	4.66	4.66	0.00	0.00	00.00	00.00	0000	0.00

155

TOTAL NUMBER OF OBSERVATIONS

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASS TEXAS

15 MAY

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	۸۱ ه	% A1	AI AI	es Al	≥ 2%	N AI	۷۱ ۲۵	VI Z	- AI	% AI	*	VI Z	≥ 5/16	3	٨١
NO CEILING	N	4	4		*		*		4.	4			*	4.	54.5	
0007			0	66.3	6000	64.0	6000	000	96.5	66.0	200	666.5	66.5	66.00	66.5	6.00
0009	0 20	000	000		9	9	66.5	99		9	66.5			9	960.5	
> 14000			7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	07.1	67.1	67.1	67.1	67.1
≥ 12000	65.3	67.7	67.7	67.7	67.7	67.7	57.7	1.10	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2 10000	70.3	72.	63				73.6	73.6	•		•			•	73.6	73.6
	71.6	14.		74.8	74.8	8 . 4	74.8	74.8		74.8	74.6	14.8	74.00	14.8	74.8	74.8
VIV 7000	70.57		100	7.82.	78.7	1.00	78.1	78.7	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7
1	74.8	78.	78.7	78.7				79.0	4.61	79.4	79.4	79.4	4.64	19.4	79.4	79.4
2000	77.4		81.3	81.3	6.18	81.9		81.9	61.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
	78.1	i so	82.6		83.2	83.2	83.2	83.2	83.2	'n				63.2	83.2	
1 4000	82.6			87.7	88.4	88.4	88.4	4.88	8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	8.58			91.0	91.6	91.6	91.0	91.6	-	91.6	91.6	91.6	-	91.6	91.0	91.6
3000	88.4		93.6	93.6	2.46	84.2	2.56	8.46	2.46	84.5	2.46	84.5	4	84.2	34.5	34.5
1	89.7			94.8	95.5	95.5	95.5	69.5	95.5	6.56	95.5	95.5	95.5	85.5	95.5	95.5
> 2000	90.3			58.8	1.96	96.1	96.1	96.1	96.1	1.96	1.96	1.96	0	96.1	1.96	96.1
N 1800	60.3	95.5	96		96.8	96.8	8.96	8.96	96.8		96.9	8.96		96.8	96.8	8.96
- 1	90.3	- 1	J. 1	4.79	8		1.86			00	1.86	78.1			1.86	98.1
1200	20.0			28.	0 6	•	5	4.66	3 6		3.00	\$	4 .	4.00	4.00	4.66
	40.0	000	100	1000	4.66	4 000	9.65	1 00	4.00	4.00	7.00	4.00	0	4.60	4.00	4.00
88	90.9						. 0		4.66		4.66	4.66	4.66		4.66	4.66
1	90.3	1	1.86	4.86	4.66	4.66	4.66	4.66	4.66	90.66	4.66	4.66	4.66	4.66	4.66	4.66
000	90.3	96	1.86	98.71	100.00	100.001	100.001	100.00	100.001	100.00	100.00	00.00	0	100.001	0.001	0.00
	60.3	96.1			10.001	0.001	100.001	100.00	100.00	100.0	100.00		0.001	100.00	0000	0.00
V 400	0	96.1	98.1	98.7	100.00	100.00	100.001	100.001	100.001	10000	•		0	10000	0.00	0.00
30	0	96.1	98.1	500		0.001		0.00		0	00.00	0.00	0	•	00.00	0.00
	•	70.7		700	0	0.001		100.00		0		•	0	0.00	0000	000
80	900	96.1	0 0	98.7	00.00	00.00	00	000	0.00	0.00	00.00	000	0000	00000	000	0000
1	1	5			5	2000	?		•			1	2			200

TOTAL NUMBER OF OBSERVATIONS

155

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DIRNAVOCEANN.ST

SOWS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST) MONTH

9488

	٨١	59.6	15.	2	15.	76.8	78.	81.	81.5	83.	83.	85.5	87.	88.	92.	93.6	96.	960	98.	.86	66	100	1001	100.	100	1001	1001	1001	1001	1000			1001
	٧١	•	•		15.5	76.8	78.1	81.9	81.9	83.2			87.1			93.6	96.1	96.8	98.1		4.66	0.001	0.001	0.001		0.001	0.001	0.00	0.001	0.001	0	•	0.00
	≥ 5/16	50.4	15.5	•	15.5		78.1	81.9	81.9	83.2	83.9	85.2	87.1	88.4	92.3	93.6	1.96	8.96			4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0000
	N N	•		•	15.5	76.8	78.1	81.9	31.9	83.2	3		87.1	8	92.3	93.6	96.1		98.1		4.66		100.001	10000	0	0.001	100001	0.00	100.00	10000	0		0.001
	*	59.4	•	200		76.8	78.1	81.9	81.9	83.2	83.9		87.1		à	93.6	96.1			47.4	28.4	6	4.66		4.66	5.66	7.66	7.66	4.6		6	6	4.66
	۸۱ ۸۱		•	2.0	75.5	76.8	78.1	81.9	81.9	83.2	17		87.1	88.4		93.6	1.96	96.8		4.16		4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66		0	6	4.66
ES)	- AI	29.4			75.5	36.8	78.1	81.9	81.9	83.2	83.9	85.2	87.1	88.4	92.3	93.6	96.1	96.8	97.4	4.46	98.7	4.66	5.66	4.66		4.66	4.66	4.66	4.06	4.66	6		4.66
VISIBILITY (STATUTE MILES)	71	59.4	3	•	75.5	76.8	78.1	81.9	6.18	83.2	83.9	85.2	87.1	88.4	2.	93.6	96.1	96.8	97.4	4.16	7.86		4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66		6	4.66
IBILITY (ST	۷۱ ۲۷	•		•	75.5	76.8	78.1	81.9	81.9	83.2	63.6	85.2	87.1	88.4	92.3	93.6	1.96	96.8	97.4	4.16	68.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	6		\$. 66
VIS	7	90.4		(3.5	75.5	76.8	78.1	81.9	81.9	83.5	83.9	85.2		4 . 88	92.3	93.6	96.1	96.8	4.7.6	4.16	98.7	4.66	9.66	4.66	9.66	4.66	4.66	4.66	5.66	4.00	9.66	. 6	96.4
	2 2 1/2		15.5	•	15.5	\$. O	78.1	81.9	81.9	10	83.9	85.2	87.1	88.4	92.3	93.6	96.1	96.8	4.7.6	97.4	98.7	4.66	9.66	4.66	4.66	4.66	4.66	4.66	4.66		6	6	40.0
	۸I		•	•	75.5	76.8	78.1	81.9	81.9	83.2	83.9	85.2	87.1	88.4	92.3	93.6	96.1	96.8	4.10	97.4	28.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66		6	4.66
	۸I ۲				75.5	76.8	78.1	6.18	81.9	83.2	83.9	85.2	87.1	88.4	92.3	93.6	96.1	8.96	4.76	4.16	48.7	4.66	4.66	4.66	90.4	90.4	4.66	5.66	9.66		0	0	466
	۶ ۸۱	59.	15.	3	75.5		78.1	81.9	81.9	83.2	83.9	85.2	87.1	00		0	95.5	1.96	.0	96.8	97.4	4.1.6	4.16	4.10	97.4	4.26	97.4	91.4	97.4	97.4	4.16	-	97.4
	٨١	59.4	75.5	15.5	75.5	76.8	78.1	61.6	81.9	*	83.9	85.2	67.			1	94.2	8.56	95.5	95.8	95.5		95.5	95.5	95.	96.		95.5		. 56	. 56	95.5	95.5
	5	58.1	12.9	6.7	72.9	74.2	75.5	78.7	78.7	0.08	80.7	81.9	82.6	83.2	85.8	87.1	87.7	30.00	0.68	0.68	89.0	89.0	89.0	69.0	99.0	89.0	0.68	0.69	0.68	0.68	89.0		89.0
CEILING	(FEET)	NO CEILING	1 20000	N 18000	N 16000		≥ 12000		000		7000		2000		4000		3000		7 2000		1500		1000		008		000		1 1 40		700	8	1

1550

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

2.1 HOURS (1.5.7.) MONTH

3080

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							NISIA	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	N N	∞ ∧1	۶۰ ۸۱	A)	e Al	> 21/2	7	۷۱ ۱۳	VI 71	- A1	ΛI %	*	N N	> 5/16	VI N	٥
NO CEILING	75.5	167.1	76.8	16.8	67.1	77.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
00081	10		76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
	0 0	77.4	77.4	77.4	78.1	* 87	7 . 4	18.	4. 87	78.1	78.1	78.1	4 -	18.	78.1	18.1
12000	76.8	78.	8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
Z 10000	0	81.	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	-	81.9		6.18	81.9	81.9
0006 ~1	80.0		81.3	81.3	81.9	81.9	81.9	81.9	81.9	61.9		81.9		81.9	81.9	81.9
N 8000	63.2	84.	64.5	84.5			6		'n	•	3		3		5.	85.2
1	83.9	85.	3	85.2		ر ا ا	85.8	85.8	CE'S	3.		85.8	3		85.8	
0009	0.50	\$ C			*	86.5	86.5	86.5		ė	0	20.2	0	0	80.5	86.5
2000	86.5	20		4.88	89.0	0.08	0.68	0.68				89.0		89.0	89.0	
2 4500	87.1	0.68	89.0	0.08	6	89.7	1.68		•	•	0			89.7		
1 4000	88.4	91.	91.6	91.6	6.26	65.3	92.3	95.3		3	2			92.3	92.3	
	89.0	92.	92.3	92.3	6.26	6.26	65.6	95.9	65.6	65.6	·	92.9		65.6	65.6	6.26
3000	89.7	92.	656	65.6	93.0	93.6	93.6	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	89.7	65.6	6.26	93.6	3.96	34.5	3.45	3.46	34.5	34.5	. 4	2 . 46	34.5	34.5	34.5	34.5
7 2000	89.7	93.6	93.6	34.2	8.56	8 . 76	8 - 75	94.8	8.56	8.76	04.8			8.46	8.46	94.8
	7.68	34.5	94.2	94.8	65.5	45.5	95.5	95.3	95.5	62.5			5	95.5	95.5	95.5
7 1500	89.7	- 1	34.5	8.96	5.	50.3	95.5	65.5	95.5	95.5	95.5	95.3	3	95.5	95.5	95.5
7 1200	90.3	. 46	94.0	93.5	8.96	90.9	96.8	8.96	90.8			96.8		96.8	96.8	8.96
!	91.0			1.96	97.4	9.7.6	4.26	4.76	4.16	4.16	4.76	4-16	4.16	97.4	97.4	4.16
8	0.16	000			5.16	77.4	4.26	3.76			4.16	4.16	4.16	4.1.4	4.16	
- 1	3.10	.00	•	70.0	7.00	78.7	78.1	1.00	100	1.80	1.00	100	1.00	1.86	1.8.	1.00
8 8	16		000	98.1	4.66	7.66	000		7.66	4.66	7.66	4.66		4.66	7.66	7.66
1	92.3	97.	-	1.86		0.00		100.00			0.00	0.00	0.00	0.00	00.00	0.00
004	92.3	97.	4.16	98.7	0.00	0.00	0.001	100.00	0.001	0.00	0.00	0.00	0.00	100.00	0000	0.00
		1.	4.16	48.1	0.00	00.00	0.001	0.001	00.00	0.00	00.00		0.00	0000	0.00	0.00
1 200	2	-	4.1.6	98.7	0.00	00.00	0.00	00.00	00.00	0.00	00.00			0.001	00.00	0.00
80	92.3		4.10	98.7	0.	00000	0.00	00.00	00.00		00.00	00.00	0000		00.00	0.00
1			2103		0000	0.00	0.00	0.00	0.00	0.00	•		0.00	0.00	0.00	000

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73.

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

ALL HOURS (1.5.7.)

2

MONTH WONTH

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	2	۰ ۸۱	8	۸I	E AI	> 21/2	71	71 71	VI 2/1	, -	% AI	*	% AI	≥ 5/16	۷I	٥
NO CEILING	52.3	55.5	55.9	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	50.5	9	56.5	56.5
> 20000	0		65.0	65.5	65.7	69.8	65.8	65.8	65.8	8.59	65.8	•	65.8	65.8	65.8	65.8
	8.09	64.5		65.8	65.7	3.50	65.8	65.8	8.59	65.8	8.59		65.8	65.8	65.8	8.59
2 16000	60.8	64.5	0.00	65.5	65.7	65.8	65.8	65.8	•	65.8	65.8	65.8	65.8	65.8	65.8	65.8
	61.2	6.49	1	68.9	66.1	66.2	66.2	2.99	2.99	66.2			2.99	5.99	56.5	2.99
2 12000		65.7		66.7	6.99	67.0	67.0	67.0	67.0	67.0	67.0	67.0	0.19	67.0	67.0	67.0
1	66.1	70.0		71.2	71.5	11.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
000	66.8	70.7	71.3	71.9	72.1	72.2	72.2	72.2	72.2	72.2		72.2	72.2	72.2	72.2	72.2
	0.69			74.2	74.4	(4.5	74.5	74.5	74.5	74.5		14.5	14.5			74.5
7000	4.69	73.5		74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	70.0			75.7	76.1	76.1	76.1		76.1	76.1	5	76.1		76.1		76.1
2000	71.4			77.4	77.8	77.9	77.9	77.9		77.9	77.9		4.17		17.9	4.17
1	72.7		73.	79.1	19.5	9.6/	20.62	26.6	9.62	3.61	0	6	(J)	19.6	6	19.62
1 400	75.1	80.7		82.1	82.5	95.0	82.6	85.6	·	82.6	85.6	85.6	82.6	82.6	82.6	
	70.6	82.4		83.9	84.4	4.46	84.4	84.4	84.4	84.4			84.4	84.4	84.4	84.4
3000	78.2	84.4	85.	86.0	86.5	96.5	36.5	86.5	86.5	86.5		86.5	86.5	86.5	86.5	
	79.7	1	00	88.0	88.6	9.89	88.6	88.6	9.88	œ	80	8	88.6	88.6	œ	8
7 2000	81.8			7.06	91.2	91.3	91.3	91.3	91.3	91.3		91.3	4.16			91.4
1	82.4	9.68	1	61.5	92.0	92.1	92.1	92.1	92.1	2	2	3		2.	2	5.
≥ 1500	83.6			0.76	24.7	84.8	9.4.8	94.8	94.8	8.46	94.8		. 4	6.46	*	;
	83.9	6:16		94.8	95.6	95.7	95.7	95.7	65.7		ċ	3	95.8	95.8	'n	
100	84.4	93.1		1.96	6.96	0.79	97.3	61.3	97.3	:	7.	2	97.3	97.3		
	84.5	93.2		96.4	97.2	97.3	97.5	6.76	97.5	61.2			91.6	97.6	91.6	91.6
00 AI	84.8	93.7		6.96	67.7	97.8	1.86	1.86	98.1	98.1	98.2		98.5	98.2	98.2	2.86
	84.8		1	97.1	6.16	98.1	98.3	6.86	98.3	98.4	6.86	98.5	98.6	98.6	98.6	98.6
8	84.8		36.5	47.7	7.86	6.86	1.65	1.66	99.1	66.3	4.66	4.66		4.66	4.66	4.66
	84.8		6.96	8.79	98.9	0.66	4.66	4.66	4.66	66.66			4.66	4.66	1.66	1.66
V 400	84.8	94.3	6.96	8.76	6.86	0.66	9.66	4.66	4.66	6.66		6	8.66	8.66	8.66	8.66
	84.8	6.46	4.96	6.46	0.66	86.5	66.6	99.8	66.8	2.66			6.66	6.06		6.66
7 200	84.8	6.46	4.96	97.9	0.66	2.66	8.66	66.66	66.8		6	6	6	6.66	6.66	6.66
VI 81	84.8	6.46	4.96		0.66	6	99.5	6	6		0	9.8	00	0.0	00	0.00
٨١	84.8	64.3	4.96	6.46	0.66	86.5	99.5	66.	66.6	2006	8.66	8.66	100.00	0000	100.001	0.00

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NONTH

OO HOURS (L S T)

CEILING																
(FEET)	5 71	۰ ۸۱	۶۰ ۸۱	4	۸I	≥ 2%	7	۷۱ %۲	¥1 Y	- 1	% AI	*	71	≥ 5/16	VI Z	٨١
O CEILING	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
> 20000	•	82.7	82.7	82.7	82.7	82.7	82.1	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
		~	82.7	82.7	82.7	e di	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 16000			82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7		82.7	82.7	82.7	82.7	82.7
	-	62.7	82.7	82.7	82.7	82.	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7 12000	61.3	83.3	3.3	83.3	83.3	83.3	53	83.3	83.3	83,3	83.3	83.3	83.3	83.3	83.3	83.3
		88.7	88.7	88.7	38.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
0006	87.3	89.3	89.3	60.0	89.3	89.3	69.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
	0	-	62.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	7.26	92.7
7000		45.7	C	92.7	92.7	92.7	92.7	1111	7.26	92.7	92.7	92.7	92.7	92.7	92.7	92.7
0009	61.3	93.3	93.3	83.3	93.3	93.3	93.3	93.3	93.3	63.3	63.3	63.3	93.3	93.3	93.3	93.3
2000		93.3	63.		93.3	93.3		93.3	•	*	93.3	93.3	93.3	93.3	93.3	•
4500		63.3	33	63.3	93.3	93.3		93.3		93.3	93.3	63.3	93.3		93.3	
141	92.0	0.46	. 56	0.46	0.40	0.46		0.46			0.46	0.46		•	94.0	. 76
1	92.7	7.56	0		1.46	94.7						*	7.56			. 76
3000	~	-	66.7	1.96	7.96	7.96	1.96	7.96	7.96	7.96	1.96	1.96	7.96	96.7	96.7	96.7
	95.3		97.3	6.16	61.3	97.3	97.3	\$7.5	97.3	67.3	67.3	81.3	97.3	67.3	97.3	97.3
2000	96.0	6.66	66.3		66.3	6.66	6.66	6.66	66.3	66.3	66.3	66.3		99.3	66.3	8.66
1	0.96	8.66	66.3	60.3	6.66	6.66	66.3	66.3	86.3	66.3	66.3	6.66	66.3	66.3	99.3	66.3
1500	0.96	66.3	99.31	100.001	100.001	100.001	0.00	00.00	0.001	100.00	0000	00.00	0.00	100.0	100.0	0.001
	0.96	86.3	99.3100	00.00	0.001	100001	0.001	0.00	0.001	100.00	0.00	0000	0.00	1000	100.0	1000
1000	0.96	86.3	99.31	100.001	0.00	100.001	0.00	00.00	0.001	10000	0.00	0.00	0.00	10000	100.0	100.0
	0.06	66.3	6.3	00.00	10000	100.00	0.00	000	0.001	00.00	0.00	0000	0000	100.0	100.0	100.0
800	0.96	66.3	99.3	100.001	100.00	100.00	00.00	00.00	100.00	100.00	0000	0.00	0.00	100.0	100.0	100.0
	0.96	66.3	200	100.001	00.00	10001	00.00	0.00	0.001	100.00	0.00	0.00	0000	0.00	100.0	0000
009	0.96	66.3	S	100.01	0.001	100.001	0.00	00.00	0.001	0.00	0.00	0000	0.00	100.0	100.0	0.001
	0.96	66.3	99.31	100.001	0.00	100.001	0000	00.00	0.001	0.00	0.00	0.00	0.00	100.0	100.0	100.0
400	0.96	66.3	200	100.001	100.001	100.001	00.00	00.00	0.001	100.00	0000	0.00	0.00	10000	100.0	0.001
	0.96	66.3	16.66	100.001	0.001	100.00	0.00	0.00	0.001	0.00	0.00	0.00	0000	0.001	100.0	100.0
7 200	0.96	66.3	99.31	3100.01	100001	100.001	00.00	0.00	100.001	0.00	0.00	0.00	0.00	100.0	100.0	0
001	0.96	66.3	. 3	100.001	10.001	100.00	00.00	0.00	0.001	100001	0.00.	0.00	0.00	100.0	100.0	100.0
	96	0	99.30	0000	10000	100.00	0.00	000	000	000	00	0.00	000	000	0.00	000

TOTAL NUMBER OF OBSERVATIONS

7.26 7.26 92.7

AI AI

92.7

80

AI AI

28

AI AI

909 500

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

O3 HOURS (LST) NON THOM

1000

20 26 25 24 23 22% 22 2 1% 21% 21% 21% 21% 21% 2 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7	CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
56.7 68.7 68.7 68.7 68.7 58.7 68.7 58.7 68.7 68.7 74.7 <td< th=""><th>(FEET)</th><th>2 1</th><th></th><th>38.</th><th>4</th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th>۲ ۸</th><th>≥ 5/16</th><th>VI 74</th><th>٨١</th></td<>	(FEET)	2 1		38.	4						-			۲ ۸	≥ 5/16	VI 74	٨١
72.7 74.0 74.7 74.7 74.7 74.7 74.7 74.7 74	NO CEILING	.99		68.7	φ (0)		68.7							68.7	68.7	68.7	68.
18000 72.7 74.0 74.7 74.7 74.7 74.7 74.7 74.7 74	≥ 20000	72.		74.7			74.7		3					74.7	74.7	74.7	74.
10000 72.7 74.0 74.7 74.7 74.7 74.7 74.7 74.7 74	V 18000	72.7	1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
14000 72.7 74.0 74.7 74.7 74.7 74.7 74.7 74.7 74	≥ 16000	72.7		74.7	74.7	74.7	74.7	74.7	•	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
12000 75.3 74.7 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75	7 14000	72.7	1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.
10000 75.3 77.3 78.0 <t< td=""><td>12000</td><td>73.3</td><td></td><td>75.3</td><td></td><td></td><td></td><td></td><td>•</td><td>•</td><td></td><td>•</td><td>75.3</td><td>75.3</td><td>75.3</td><td>75.3</td><td>75.</td></t<>	12000	73.3		75.3					•	•		•	75.3	75.3	75.3	75.3	75.
75.3 77.3 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0		75.3	1	78.0			78.0	78.0	00		00	78.0	78.0	78.0	78.0	78.0	78
3000 78.7 80.3 81.3 82.0		75.3		78.0	•		•	78.0	0	•		78.0		78.0	78.0	78.0	78.
79.3 81.3 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0	Į.	78.7	1	81.3		81.3	81.3	60	81.3	-	-		-				81.
6000 80.0 <th< td=""><td></td><td>79.3</td><td></td><td>82.0</td><td></td><td>2</td><td>82.0</td><td>82.0</td><td></td><td>•</td><td>2</td><td></td><td></td><td>•</td><td>82.0</td><td>82.0</td><td>82.</td></th<>		79.3		82.0		2	82.0	82.0		•	2			•	82.0	82.0	82.
81.3 84.0 85.3 85.4 86.7 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 89.3	1	90.0			3.	3.			83.3	•	83.3			83.3	83.3	83.3	83
4500 41.3 \$4.7 \$6.7 \$6.7 \$6.7 \$6.7 \$6.7 \$6.7 \$6.7 \$6		81.3			10	100		5	2	5	5			85.3	85.3	85.3	85
4000 82.0 85.3 87.3 89.3	1	61.0		86.7	-0	86.7	9		9	9				86.7	86.7		
3500 82.0 85.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87		82.0					-		7	-				87.3	87.3	87.3	87.
3000 83.3 \$6.77 \$8.7 \$8.7 \$8.7 \$8.7 \$8.7 \$8.7 \$8.7 \$		0.28		87.3	87.3	-	7.			87.3		87.3	87.3	87.3	87.3	87.3	87.
2500 84.0 87.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89		83.3		88.7	00	3			8	88.7				88.7	88.7	88.7	88
2000 85.3 89.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 9	1	34.0			•		6		5	5	89.3	89.3	6	89.3	89.3	89.3	89
1800 85.3 89.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 9		35.3			-	91.3	-	-	4		91.3	91.3		91.3	91.3	91.3	91.
1200 68.0 92.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94		85.3			-	-	91.3	91.3	:	91.3	91.3	61.3	-	91.3	61.3	91.3	91.
1200 89.3 94.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96		0.88			. 49	. 4	. 4	. 4	4	\$	4			0.46	0.46	0.46	94
90. 7 95.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97		69.3		0.96		.0	9	. 9	0	9	9	0.96		96.0	96.0	0.96	96
900 90.7 95.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97		80.7			7	-	-	7	~		-	97.3		•	97.3	97.3	97.
800 91.3 96.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98		60.7				-	97.3	97.3	1.	97.3	97.3		61.3	97.3	97.3	97.3	97.
700 92.0 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98		91.3			8	8	90	60	8	œ	*	98.0		98.0	98.0	0.36	98
600 92.0 97.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3		92.0		98.7		98.7		33	œ				48.7	98.7	98.7	1.86	96
		0.26		6.66		6	0	80.3	6	66.3	66.3			66.3	86.3	66.3	66
	000			A 40 M	-	1000	1 100			-					1		-

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

HOURS (1 S T

E

NONTH 90

74.0 78.0 78.0 79.3 88.0 74.0 78.0 34.0 0.46 71.3 16.0 76.7 92.7 99.3100.0100.0 99.3100.0100.0 99.3100.0100.09 99.3100.0100.0 62.7 99.3100.0100.0 99.3100.0100.0 88.7 ٨١ 62.7 0.47 78.0 84.0 66.3 88.0 7.86 79.3 63.3 74.0 0.01 78.0 0.46 78.0 92.7 97.3 64.7 71.3 88.7 40.36 70.7 76.7 0.49 0.86 65.0 65.0 73.3 95.0 96.0 76.0 65.0 62.7 10.0 70.7 73.3 15.3 77.3 77.3 77.3 78.7 83.3 87.3 93.3 96.7 7.86 88.0 ٨I 83.3 62.0 0.49 88.0 46.7 0.86 93.3 0.96 0.07 15.3 17.3 78.7 87.3 8.66 66.3 62.0 73.3 76.0 77.3 95.0 8.66 70.7 77.3 1.86 66.3 AI 0.96 0.07 62.0 83.3 88.0 73.3 77.3 77.3 62.0 15.3 76.0 87.3 0.86 86.66 66.3 62.0 70.7 77.3 78.7 92.0 63.3 96.7 66.3 66.3 66.3 98.7 0.86 0.49 0.96 6.66 62.0 20.07 87.3 050 0.88 62.0 73.3 15.3 76.0 77.3 77.3 78.7 83.3 63.3 7.86 6.66 8.66 77.3 66.3 62.0 1.29 6.66 1.06 70.7 Al 0.49 0.88 98.0 62.0 70.0 70.7 73.3 73.3 75.3 76.0 77.3 77.3 77.3 87.3 93.3 0.96 62.0 92.0 7.95 7.86 78.7 83.3 66.3 66.3 ٨١ VISIBILITY (STATUTE MILES) 93.3 62.0 0-59 70.0 73.3 87.3 0.86 86.3 62.7 77.3 83.3 92.0 96.0 1006 76.0 77.3 8.66 8.66 73.3 77.3 88.0 70.7 5.3 48.7 86.66 ۸۱ 0.07 77.3 0.49 0.86 62.0 75.3 83.3 **ଂ** ୫୫ 95.0 63.3 0.96 1.96 66.3 \$. 66 73.3 76.0 77.3 78.7 87.3 70.7 77.3 66.3 65.0 98.7 62.7 66 ٨١ 6.66 62.7 0.49 6.86 0.86 0.96 66.3 62.0 70.0 73.3 76.0 77.3 88.0 95.0 66.7 8.66 66.3 0.29 62.0 70.7 (3.3 77.3 58.7 77.3 78.7 83.3 5.3 87.3 66.3 99.3 AI 62.0 63.3 66.3 0.40 0.01 73.3 15.3 76.0 17.3 77.3 87.3 0.88 92.0 96.0 0.86 83.3 6.66 6.66 66.3 17.3 78.7 93.3 7.96 98.7 62. 70. 2 21/2 66.3 73.3 0.96 62.7 75.3 77.3 70.0 76.0 77.3 78.7 87.3 62.0 0.49 73.3 77.3 83.3 38.0 92.0 93.3 1.96 7.86 6..9 62.0 62.0 0.86 70.1 ۲I الا 72.0 16.0 82.0 8.16 0.46 6.69 77.3 0.06 76.0 0.96 97.3 60.7 86.0 86.7 97.3 6.16 61.3 0.4 74.7 76.0 94.7 96.7 97.3 62.7 60.7 1.09 63. ۸۱ 58.0 65.3 68.7 87.3 60.7 57.3 73.3 0.06 63.3 72.0 72.0 78.0 86.0 70.0 72.0 0.20 92.7 93.3 93.3 0.99 82.0 70.7 82.7 68.7 17 6.69 56.0 68.0 69.3 79.3 67.3 75.3 55.3 0.99 0.99 69.3 88.0 89.3 58.3 55.3 57.3 70.7 80.0 83.3 84.7 87.3 0.06 60.7 7.06 63.3 7.06 90.7 50.0 58.7 59.3 0.99 55.3 58.0 58.0 59.3 59.3 0.09 0.99 46.0 48.7 71.3 73.3 58.7 62.7 7.80 66.3 71.3 72.0 72.7 73.3 24.1 13.3 NO CEILING 80 CEILING (FEET) ≥ 20000 18000 Y 14000 4500 800 0000 0000 5000 3500 2000 2000 1800 800 500 300 88 AI AI AI AI AI AI ALAI ALAI AI AI ALAI ALAI AI AI AI AI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

12595-96181

10666

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93901 STATION

60 MOURS (1 \$ 1)

NONTH

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	(5)						
(FEET)	5 1	9	\$	A I	٨١	≥ 2%	7 Al	٧١ ٧٧	VI 2.	71	% AI	*	Z Al	2 5/16	AI	٥
NO CEILING	0.44	50.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
00081 4		59.	61.3	61.3	:	0 0	61.0			:			61.3	61.3	-	61.3
00091	23.3		61.3	61.3	61.3	61.3	61.3	61.3	61.3	: :	61.3	61.3	61.3	61.3	61.3	6119
7 14000	53.3	50	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	24.0	09	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	0.05	62.7	64.7	1.49	64.7	64.7	64.7	64.7	64.7	64.7	1.49	2.49	64.7	64.7	24.7	1.49
0006	56.0	62.	64.7	1.79	64.7	1.40	64.7	1.49	2.59	64.7	64.7	04.7	64.7	64.7	1.49	64.7
> 8000	0.00	. 99	68.7	68.7	68.7	68.7	68.7	68.7	08.7	68.7	68.7	68.7	68.7	68.7	2.89	68.7
≥ 7000	0.09	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	0.09	.99	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.7	68.7	68.7	68.7
> 2000	61.3		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
	0.20	609	71.3	71.3	71.3	71.3	71.3	711.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
V 4000	62.7	70.	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	62.7		72.7	72.7	13.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
3000	62.7	- 9	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	0.99		77.3	78.0	73.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
7 2000	70.7	80.	02.1	83.3	84.0	0 +8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	72.0	82.	84.0	84.7	85.3	65.3	85.3	5	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
> 1500	78.7	1	92.7	0.46	1.56	94.7	2.55	4.7	64.7	24.7	94.7	24.7	1.46	24.7	1.46	1.06
	82.0		0.96		98.0	0.8	98.0	0.86	98.0	0.86	0.86	98.0	0.86	98.0	98.0	98.0
0001 ≺	92.7	34.	1.96	0.86	98.7	98.7	7.86	98.7	48.7		66.3	66.3	66.3	66.3	66.66	66.3
	82.7	. 76	1.96	0.85	1.86	2.36	7.86	1.86		8006	8.66	66.3	66.3	66.3	€.66	66.3
00 8 A	62.7)	2.96	0.86	98.7	98.7	98.7	48.7	98.7	66.3	66.3	66.3	66.3		66.3	8.66
	1.28	. 76	1.96	0.86		98.7	68.7	28.7		86.3	99.3		66.3	86.3	6.66	66.3
009	82.7		26.1	48.7	66.3	6.66	99.3	66.3	66.3	10000	0.001		100.001	100.00	00.00	0.00
	1.79	64.7	1.06			6.66	66.3	66.3	99.3	0.001			100.001	100.001	0000	0.00
V 400	62.7		1.96	2.86	66.3	86.3	66.3	66.3	66.3			100.00	10000	0	00.00	0.00
88	35.7	0 0	96.7		66.3	9.0	6.66	66	99.3		0.00	100.00	00	0	00.00	0.00
1	9	-	1000				29.0	37.0	77.3	00.00	000	0.00	0.00	5	0000	0000
80	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	24.7	000	280	99.9	9 60	60.00	96.66	99.3	0000	00.00	0000	0000	0000	000	000
			1	1	1	1				1						

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.2 HOURS (1.5.T.) MONTH

9999

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	9 Al	۰ ۸۱	۶۰ ۸۱	۸I	M Al	1 2%	7	۲۱ ۲۷ ۲۷ ۲۸	71 71	-	% Al	*	۶ ۱۸	≥ 5/16	Z AJ	٨١
NO CEILING	53.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
> 20000		0.99	1.99	66.7	1.99	66.7	56.7	66.7	1.99	66.7	66.7	2.99	66.7	66.7	66.7	66.7
V 18000			56.7	65.7	66.7	66.7	66.7	66.7	1.99	66.7	66.7	66.7	66.7	66.7	66.7	1099
14000	62.7	0.99	66.7	66.7	66.7	66.7	1.99	66.7	1.99	66.7	1.99	2.99	66.7	66.7	1.99	1.99
	63.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	61.3	67.3	67.3	67.3
12000	64.7	0.89		68.7	68.7	68.7	7.89	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	67.3	70.1	71.3	71.3	71.3	11.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
0006	67.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	58.7	72.	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
7000	69.3		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
1	66.3		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2000	70.0		74.0	74.0	74.0	74.0	74.0	0.47	74.0	74.0	74.0	14.0	14.0	74.0	74.0	74.0
	71.3		75.3	75.3	75.3	15.3	75.3	75.3	75.3	75.3	75.3	15.3	75.3	75.3	75.3	75.3
1 1 1	74.0		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	80.0		84.7	84.7	24.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
3000	87.3	93.	1.46	1.56	1.76	94.7	1. 56	1.56	24.7	64.7	24.7	24.7	2.76	2.46	64.7	24.7
	68.7	1	1.96	1.96	1.96	2.95	1.96	1.96	46.7	66.7	1.96			1096	46.7	46.7
7 2000	89.3	0.96	0.86	0.86	0.86	98.0	98.0	0.86	0.86	98.0	98.0	98.0	0.86	98.0	0.86	0.86
1	90.0	1	7.86	98.7	1.86	7.86	7.86	48.7	7.86	98.7	1.86	28.1	1.86			98.7
1500	0.06		2.86	98.7	7.86	7.86	7.86	48.7	7.86	68.7	7.86	48.7	48.7	98.7	98.7	48.7
	90.0		66.3	6.66	66.3	66.3	66.3	8.66	66.3	66.3	•		66.3	86.3	66.3	66.3
1 /1	90.7		100001	100.001	100.001	100.001	10.001	100.00	100.001	100.00	100.001	00.00	100.00	10000	0.001	0.001
8 AI	90.7	98.0100		100.00			100.001	00.01		.0	0	00.00	0	0	100.00	0.001
008	70.1		-			0.001	0	00.00		•	0					000
	90.7	98.0100		0		100.00	100.00	00.00		0	0	00.00	00	•		0.00
009	90.7	98.0100	0.001	10001	100.00	100.001	10.001	00.01	00.001	10000	0	•				0000
	2006	98.01	0.001	100.00	100.001	10000	00.00	00.00	0.001	100.001		00.00	00.00	•	•	0.001
VI 400	90.7	98.0	0.00	100.00	100.00	100.001	00.00	00.00	0.001		0	0	0	0		0.00
8 AI	90.7	98.01	100	0.001		0.001	0.001	10000	•	0	0	00.00	0.00		•	
	70.7	98.0		100.00	•	0.00	0000	0	•	0	5	•	0	•	0	
8 °	40.0	0.00	0	00	0	0.001		000	0.001	0000	0.00	000	0.00	00000	0.00	0.00
1	1001	10.01	0.001	10.00	0.00	2000	0.00	0.00	0.00	0.00		5				

8368

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

YEARS

NONTH NO

2 8 8

				PERCE!	PERCENTAGE (FROM		UENC)	C OF C	ACY OF OCCURI	FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS)					NOURS (1.5	
CEILING							VISIA	BILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	2	۰ ۱۸	\$5 Al	٨١	۸I	≥ 2%	7	۷۱ ۲۲	VI 7.	71	% AI	₹	% Al	≥ 5/16	۸I	٥
	58.7		0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
≥ 20000	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	72.0		73.3	73,3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	72.0			73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
14000	72.0	72.7		73.3	73.3	13.3	13.0	73.3	13.3	73.3	73.3	13.3	73.3	13.3	73.3	73.3
	13.3			16.0	1.4.	14.1	14.6	*	100		100	120	- 0	- 50	- 0	
VI VI 000 000 000 000	70.7	77.3	7.00	78.0	78.0	200	7 00	0 0	78.0	78.0	78.0	78.0	78.0	0 0	78.0	78.0
	79.3	80.0	80.7	80.7	1000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
7000	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	60.7	80.7	80.7	80.7	80.7	80.7	80.7
i	79.3	80.0	80.7	80.7	80.7	1	80.7	80.7	80.7	•	80.7	80.7	80.7	80.7	80.7	80.7
> 5000	82.0	82.7		83.3	63.3	63.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
> 4500	86.0	87.3			88.7	1	38.7	88.7	88.7	288.7	88.7	88.1	38.7	88.7	88.7	88.7
000 1	88.0	89.3	- 1		90.7	1.06	90.7	200	2006	2005	1.06	200.1	1.06	2006		20.1
	92.7	0.46	96	04.7	65.3		6.96	95.3		95.3	65.3	62.3		95.3	95.3	95.3
3000	92.7	0.76	1	34.7	6.56	95.3	95.3	65.3	95.3	95.3	95.3	95.3	95.3	95.3		95.3
> 2500	24.7	0.96	36		6.76	97.3	97.3	6.00	6.76	97.3	6.76		6.79	6.7	6.00	97.3
_	1.50	100	6.10	200	0.00	000	0 0 0	0 0 0	0000	0 0	000	98.0	0.00	0.00	000	000
8 8	96	97.3	98			98.7	0 00		98.7	98.1	7.86	98.7	00	98.7		98.7
	98.3	97.3		7.86	66.3	66.3	60.00	8.66	66.3	6.66	66.3	66.3	66.3	66.3	66.66	66.66
1000	95.3	- 1		7.86	66.3	6.66	6.66	66.3	86.3	66.3	99.3	86.66	66.66	66.3	66.3	66.3
8	0.96	0.86	66	66	100.001	00.00	0.001	100.00	0000	100.00	00.00		00.00	00.00	0.00	
	0.0	- 1	77	66.8	3100.01	00.00		00.00	100.00	100.001	100.001	0.0010.00	000.00		0000	
88	0.00	0		0.00	0.001		100001		0.00.00.00	0.00	000	000	0.00	0.00	000	0.00
	90.0		99.3	2 100	100.01	100.001	100.001	100.00	00.00	00.00	000	00.00	100.00	000	000	000
171	96.0		66	200	100.01	100.001		0	100.001	100.00	00.0010.00	00.00	100.001		0.00	0.00
38	0	CC !		250	100.001		100.01	100.01	100001	0.001	00.0010.00	100.0010.001	00.00	00.00	0.00	0.00
	•	98.0	99.3		10.001	10000	10001	100.00	100.00	0000	00.00	00.00100.0100.0100.00	00.00		0.00	0.00
VI VI 80	96.0	00.0	99.3	200	3100.01	0100.00	100.0100.0100.0100.01	00.0010.00	100.001	100.00100.001	100.001	00.00100.00	00.00	100.00	100.00	1000

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

.

YEARS

NONTH NONTH

芸

ZOS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8.66 0.96 66.3 6.66 66.3 0.46 O Al 85.3 0.98 0.46 0.96 66.3 65.3 97.3 66.3 99.3 99.3 86.3 86.3 7.46 93.3 94.7 ٨١ 6006 0.46 186 85.3 93.3 1.16 85.3 85.3 86.0 87.3 95.3 97.3 0.96 86.3 7.46 95.3 2 5/16 85.3 95.3 6.66 66.3 85.3 86.0 0.46 97.3 66.3 0.96 87.3 93.3 95.3 99.3 7.46 4.7 7.86 2 ٨١ 8.66 6.66 85.3 86.0 0.96 66.3 87.3 97.3 95.3 95.3 66.3 93.3 0.46 24.7 94.7 7.86 ۸۱ 85.3 8.66 6.66 86.0 0.46 95.3 85.3 87.3 97.3 6.65 6.66 63.3 95.3 0.96 48.7 1.46 7.46 ٨١ 95.3 66.3 85,3 86.0 85.3 85.3 4.7 87.3 63.3 0.46 95.3 0.96 66.3 74.0 97.3 98.7 66.3 6.66 64.7 ۸۱ VISIBILITY (STATUTE MILES) 0.08 6.66 6.36 65.3 0.96 66.3 6.66 93.3 6.66 85.3 87.3 1.76 97.3 2.86 0.46 1.46 85.3 85.3 ½ ∧! 8.66 85.3 97.3 66.3 86.0 63.3 0.46 94.7 94.7 95.3 66.3 95.3 4.7 0.96 98.7 99.3 99.3 77 666 85.3 87.3 85.3 86.0 85.3 95.3 0.96 8.66 8.66 93.3 0.76 95.3 7.56 98.7 97.3 7 85.3 95.3 95.3 0.46 6.66 85.3 0.98 97.3 0.4 85.3 87.3 24.7 96.0 7.86 6.66 13.3 94.7 99.3 99.3 66.3 66.3 2 2 1/2 86.0 65.3 66.3 65.3 85.3 93.3 0.46 0.06 97.3 85.3 1.46 7.86 66.3 55.3 87.3 94.7 M Al 66.3 66.3 66.3 85.3 85.3 86.0 1.76 95.3 95.3 61.3 8.66 0.96 85.3 87.3 93.3 74.7 68.7 0. 46 ٨١ 66.3 66.3 96.0 65.3 66.3 6.66 0.40 0.06 74.0 85.3 87.3 05.3 85.3 1.46 97.3 93.3 7.86 64.7 ۱۸ د 6.66 85.3 63.3 95.3 80.3 85.3 87.3 1.46 68.3 0.96 85.3 86.0 0.46 7.76 97.3 7.86 8.66 8.66 ۸۱ 1.46 91.3 94.0 0.06 82.0 7.06 82.0 91.3 61.3 0.96 1.06 1.26 32.1 69.3 7.46 1.56 94.7 2 NO CEILING 20000 80 CEILING (FEET) 18000 14000 9000 8000 1500 1200 5000 4500 3000 2500 800 500 88 800 AI AI AI AI ALAI AI AI AI AI AI AI AI AI ALAI AI AI MIM ALAL AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

1550

150

TOTAL NUMBER OF OBSERVATIONS

NON

HOURS (LST)

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

1550

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(53)						
(FEET)	2	۸۱	8	٨١	۸۱	> 2%	71	۲۱ ۲۲	¥1	- AI	% Al	*	Z Al	≥ 5/16	Δ1 24	٨١
NO CEILING	73.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	16.0	76.0	76.0	76.0
≥ 20000	0	86.0	86.0	86.0	86.0	86.0	86.0	0.98	86.0	86.0	86.0	86.0	86.0	86.0	0.98	86.0
		86.0	86.0	86.0	86.0	86.0	0.98	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
16000	63.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
	0.49	1	36.7	36.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	80.7	86.7	86.7	86.7
12000	84.7		98.0	88.0	88.0	0.83	88.0	0.88	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	88.7	1	95.0	92.0	95.0	92,0	92.0	92.0	92.0	92.0	95.0	95.0	0.26	92.0	95.0	92.0
000	88.7		92.0	95.0	92.0	95.0	92.0	92.0	92.0	0.26	0.76	95.0	95.0	95.0	95.0	95.0
Į.	89.3	1	92.7	92.7	7.26	92.7	7.66	92.7	7.26	92.7	62.7	92.7	92.7	92.7	92.7	92.7
7000	89.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	7.26	92.7	1.26	92.7	92.7	92.7	7.26	92.7
1	60.7	1	0.46	0.46	0.46	0.46	0.76	0.46	0.46	0.46	0.46	0.46	0.76	0.46	0.46	0.46
2000	90.7		0.46	0.48	0-46	0.46	0.46	0.46	0.46	0.46	0.46	0.56	0.46	0.46	0.46	0.46
1	91.3	1	1.40	7.56	1.46	1.76	94.7	7.46	1.46	7.46	1.46	24.7	64.7	1.76	7.46	1.46
1 1	92.7		40.7	96.7	1.96	96.7	1.96	1.96	1.96	7.96	1.96	1.96	1006	1.96	1.96	7.96
1	93.3	1	97.3	61.3	97.3	61.3	97.3	67.3	97.3	8.76	61.3	81.3	97.3	97.3	61.3	97.3
3000	93.3	98.0	0.80	98.0	0.86	98.0	0.86	0.86	0.86	0.86	0.86	0.86	0.86	98.0	0.86	0.86
1	93.3	1	0.86	0.86	0.86	0.86	0.86	0.86	0.86	98.0	0.86	0.86	0.86	98.0	0.86	98.0
7 2000	0.46		1.86	48.7	1.86	98.7	7.86	4.86	4.86	7.86	7.86	7.86	1.86	98.7	1.86	7.86
1	0.46	96	4.86	1.86	1.86	78.7	7.86	48.7	1.86	7.86	18.1	28.7	48.7	98.7	48.7	98.7
> 1500	94.7	.66	66.66	60.3	66.3	86.66	6.66	66.3	86.3	6.66	66.3	66.3	86.66	86.3	86.66	66.3
	1.56	.66	66.3	8. 56	66.3	86.3	66.3	66.3	66.3	66.3	66.3	6.66	66.3	86.9	8.66	66.3
VI 000	64.7		66.3	99.3	66.3	86.3	666	66.	66.3	66.3	66.3	66.3	66.3	86.3	666	66.3
	4.1	.66	66.3	6.66	99.3		666	99.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
800	24.7	66	66.3	99.3	66.3	99.3	100.001	100.001	100.001	00.00	00.00	00.00	00.00	10000	00.00	0.00
	1.46	66	66.3	8.66	66.3		100.001	00.00	100.001	00.00	0000	00.00	0.00	10000	0000	0.00
% AI	94.7	66		99.3	66.3		100.001	10001	100.001	00.00	00.00	00.00	00.00	0.00	00.00	0000
	*	66.3	66.3	6.06	66.3	66.3	100.001	100.01	100.001	00.00	00.00	00.00	00.00	100.001	00.00	0000
V 400		66.3	99.3	66.3	66.3	99.3	100.001	100.00	0.00	00.00	00.00	00.00	00.00	10000	00.00	0.00
30	*	66.3		66.3	66.3	99.31	100.001	100.01	100.001	10.00	100.001	00.00	00.00	100.00	00.00	0.00
7 200	94.7	66.3	66.3	66.3	66.3	66.3	100.01	100.00	100.001	00.00	00.00	00.00	00.00	00.00	00.00	0.00
	64.7	66					100.001	10001	100.001	0.00	0	0.	100.00	100.001	00.00	0.00
٥	2. 56		66.3	66	66.3	99.3	100.001	100.01	100.001	00.00	00.00	100001	100.001	100.001	00.00	100.0

SOWS DIRNAVOCEANMET

Pu ISERA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME DALLAS, TEXAS

SOL HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

95.6 94.6 79.8 82.2 82.3 85.5 90.7 6.96 98.3 0.66 66.5 1.66 0.0010.00 0.0010.00. 0.0010.0016.66 0.0010.0016.66 74.1 ٨١ 85.5 0.66 87.0 95.6 82.2 83.1 2.66 75.6 9.6/ 82.3 88.7 1.06 98.3 14.4 94.6 97.3 3.64 84.1 6.46 4.1 74.1 66.6 1.66 6.66 14.1 90.06 9.66 83.0 88.6 4.66 85.4 74.0 74.3 75.5 5.61 8.64 0.48 92.5 84.5 8 . 46 97.2 1.66 8.66 74.0 74.0 86.9 6.86 82.3 98.2 8.49 82.1 2 5/16 9006 82.3 83.0 \$5.4 88.6 8.56 97.2 4.66 74.0 74.3 64.5 1.66 9.66 2.61 82.1 84.0 86.9 6.86 74.0 75.5 19.8 95.5 98.5 8.66 6.66 6.66 6.66 ٨١ 88.6 82.3 84.0 9.06 2.16 9.66 6.66 0.68 94.5 0.4/ 4.58 86.9 86.9 74.0 14.3 75.5 5.61 92.5 92.5 92.5 92.5 98.2 6.86 6.86 1.66 8.66 8.76 7.66 74.0 82.1 * ^! 88.6 64.5 4.66 84.0 35.4 75.5 29.5 82.3 90.0 2.16 98.2 1.66 74.0 74.0 83.0 8.56 14.0 9.66 6.66 6.66 6.66 74.3 266 82.1 8.66 6.66 ۲۶ ۱۸ 88.6 9.06 83.0 8.56 1.66 0.66 9.66 6.66 8.66 86.9 6.86 62.3 82.3 84.0 85.4 98.2 4.66 3.66 97.2 97.2 8.66 94.5 74.0 ۸۱ 5.61 0.68 75.5 8.64 84.0 85.4 88.6 9.06 8.56 98.2 8.86 6.66 6.66 8.66 8.66 5.46 8.66 74.0 8.66 86.9 82.1 ۱۷ ۲ 90.06 66.3 74.0 79.8 82.3 8.86 8.66 74.3 75.5 83.0 97.2 79.5 84.0 85.4 86.9 88.6 92.5 6. 56 8. 76 0.66 6.66 8.66 98.2 82.1 0.66 82.3 9.06 92.5 84.0 8.06 8.66 8.66 75.5 6.98 88.6 83.0 94.5 8.86 74.0 14.3 8.46 97.2 98.2 6.66 0.5 19.5 19.8 82.1 85.4 60.3 8.66 8.66 8.66 8.66 7 90.06 88.6 92.5 0.66 0.4/ 83.0 84.0 4.50 8.66 8.66 19.8 84.9 8.46 98.8 6.61 62.3 5.76 97.2 98.8 4.66 8.66 7.66 8.66 82.1 86.3 9.00 83.0 8.86 14.3 2.61 82.3 84.0 85.4 86.9 88.6 92.5 64.5 8.46 98.2 66.3 8.66 74.0 3.66 2.79 0.66 8.66 8.66 74.0 75.5 4.66 8.66 74.0 82.1 1.66 ۸I 4.86 6.96 94.2 66.3 79.3 79.6 85.2 80.3 83.8 8.96 9.86 0.66 66.3 73.8 75.3 82.1 62.8 86.6 88.3 92.2 8.76 60.3 66.3 73.8 98.8 4 1.16 82.3 0.95 81.7 88.7 89.8 6.86 86.1 87.8 91.6 93.6 63.6 73.4 79.2 0.76 97.8 4.86 6.86 73.8 74.9 81.5 83.3 08.1 73.4 6.81 84.1 رم ۱۸ 96.6 4.96 85.0 86.7 4.06 96.8 97.3 61.3 72.7 12.7 3.0 14.2 92.4 8.26 93.8 2.16 9.69 78.1 75.7 78.3 80.0 82.4 0.79 81.4 94.8 83.7 80.7 4 17.6 77.1 82.1 83.6 80.5 74.6 6.9 4.08 86.3 8.68 69.8 6.41 78.3 19.3 88.3 89.6 0.06 5.06 3006 6.49 80.6 1.69 90.1 90.2 90.2 NO CEILING (FEET) V V V 14000 80 ≥ 20000 12000 9000 8000 7000 4500 3500 2000 1800

8 500

MIM

ALAI

ALAI

MINI

AI AI

AI AI

1200

AI AI

88

ALAL

900

MIMI

500

ALAL

88

ALAI

AI AI

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

8 U U P

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

00 NOURS (1 S T) JUL

2

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5)						
(FEET)	5	9 Al	SS AI	4	e Al	≥ 2%	7	VI %	VI 	71	¥ AI	*	VI Z	≥ 5/16	AI AI	٨١
NO CEILING	76.0	77.9		77.9	6.17	77.9	77.9			27.9	27.9	77.9	77.9	77.9	77.9	77.9
18000	9 69	85.7	86.4	0	86.4		4.000		86.4	0	0		0	86.4	86.4	86.4
≥ 16000	- 1	85.7	36.4	86.4	86.4	86.4	96.4	86.4	86.4	96.4	86.4	86.4	86.4	86.4	86.4	86.4
2 14000	න ගි			0	•	.0	86.4	9	86.4		0	9		86.4	9	
	9 6	0.00	32.0	89.00	0000	00000	9.50	89.00	93.0	89.60	0000	02.0	93.00	000	93.00	00.00
000 000 000 000 000 000 000 000 000 00	6.06	6.26		93.5	'n	4 40	V M	9 10	u en	m	m	'n			in	
> 8000	2.56		8.96	8.96		96.8	9.96	8.96	96.8		96.8	8.96	8.96	96.8	8.96	8.96
	3 0	96.	97.4	4.70	97.4	97.4	•	4.70	4.76	97.4	97.4	97.4	4.16	97.4	97.4	97.4
00 00 00 00 00 00 00 00	90.8	0.00	100.001	00.00	00.00	00.00	30.00	4.00	000	0000	00.00	00.00	0000	00.00	00.00	000
	90.8	4.66		0	0		0.00	0	0	0	00.00				00.00	0.00
1 1	96.8		•	00.00	00.0100	00.00	0.00	00.00	0	0000	00.00	100.001	00.00	00.00	00.00	0.00
> 3500	96.8	99.41	100.01	00.00	00.00	100.001	00.00	00.01	00.00	0000	0.00	10.00	00.00	00.00	00.00	0.00
3000	8.96	99.4100	00.00	00.00	00.000	.01	00.00	00.00	00.00	00.00		00.00	0	00.00	00.00	0.00
> 2500	800	7.66	100.01	00.00	00.00		00.00	00.00	10000	00.00			0	00.00	00.00	0.00
	800	4.66	•	0	9	100.01	0.00	00.00	0.001		•	00.00	00.00	00.00	10.00	0.00
VI VI 008 1500	0 00	0019.66	0000	00.00	00.00	100.001	00.00	000	000	000	00.00		00.00	000	00.00	00.00
1200	8.96			00.01	00.00	00.00	00.00	00.00	00.00	0.00	00.00	00.00	00.00	00.00	10.00	0.00
	96.6	7.06	•	0	00.00	•		00.01		00.00	00.00			0000	00.00	0.00
8 8 AI A	000	4 4	100.001	0.00	100.001	00.00	00.00	000	0.00	0.00	000		0000	000	00.00	0.00
	96	99.4		00.00	00.00		0	00.00		00.00	00.00	0		00.00	00.00	0.00
900	96.8	99.41	100.001	0.00	00.00	00.00		00.00	100.00	00.00	00.00	10.00		00.00	00.00	0.00
00 S	96.0	4.66	00.01	00.00	0		00.00	00.00		00.00				00.00	00.00	0.00
	3000	4.06	100001	00.00	00.00	100.001	00.00	000	00.00	000	000	0000	0000	0000	00.00	000
141		99.4	0	0	0		00.00		00.00	00.00		0			00.00	0.00
80	96.96	99.41	000	.0100.0100.0100	100.01	00	100.001	00.00	0.00	00.00	00.00	00.00	100.001	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SOWS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

DETACHMENT, ASHEVILLE, NC

7.3

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH COS HOURS (1.5.7.)

2

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	(S:						
(FEET)	2	% 11	ss Al	4	e VI	≥ 21/2	AI	VI %1	VI 3.1	-	VI Ve	*	% Al	2 5/16	7	0 11
NO CEILING	74.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
7 18000	00	0.		1	2	0 (%)	3	~	· ~	0.00	2	2	2	3 2	N	10
	78.7	- 1	82.6	•	62.6	•	82.0	82.6	82.6	85.6		~				
14000	78.7		82.0	00 C C C C C C C C C C C C C C C C C C	N	5	82.6	82.0	82.6	82.6	5.	5.	3	5.	5.	82.6
≥ 12000	80.7	83	84.5	84.5	84.5	84.5	64.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5		
N 10000	37.7	91.	91.6	-	-		•	•	•		:	-			:	
0006	4.88	5	92.3	92.3	92.3	14	65.3	65.3	92.3	92.3		2			5.	5
8000	0.16	. 76	95.5	96.5	69.5	98.8	95.5	95.5	95.5	6.56	95.5	5.56	3	95.5	95.5	95.5
> 7000	92.3	96.1	96.8	96.8	8.96	96.8		96.8	9	96.8	8.96	8.96	90.8	96.8		8.96
	92.3	96.1	96.8	8.96	66.8	96.8	8.96	96.8	8.06	8.96	96.8		96.8	96.8	96.8	8.96
2000	6.26	96.8	4.16	4.16	4.16	97.4	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16
	6.28	96.8	4.10	4.66	4.16	4.1.4	4.10	4.16	4.16	4.1.6	4.1.6	4.16	4.16	4.16		4.16
4000	6.26	8.96	4.16	4.76	4.16	4.16		97.4	4.16	4.16		4.16	4.16	97.4	4.16	4.16
	6.76	96.8	4.16	4.7.9	4.16	4.16	4.7.6	4.16	4.16	4.7.6	4.7.4	97.4	4.16	4.16	97.4	4.16
≥ 3000	93.6	98.1	2.86	7.86	98.7	98.7	68.7	98.7	1.86	98.7	7.86	48.7	7.86	7.86		98.7
	34.5	98.7	4.66	4.66	4.66	4.00	4.66	4.66	4.66	5.66	5.66	4.66	4.66	4.66	4.66	4.66
Y 2000	94.2		4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66		4.66	4.66			4.66
2 1800	34.5	7.86	4.66	0	4.66	6	4.66	7.66	4.66			4.66	4.66	4.66		
	94.2		4.66	6	4.66	4.06	4.66		4.66				5	4.06	4.66	
	94.2		4.66	7.56	4.66	4.66	4.66	4.66	4.66	4.66	4.66			4.66	4.66	4.66
0001 1	94.2		4.66		4.66	4.66	4.66	4.66	4.66			4.66		4.66	4.66	4.66
	34.5		4.66	4.06	4.66	4.66	9.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
008 <1	84.5		4.66	4.66	4.66	4.66	5.66	7.66	4.66	4.66	4.66		4.66	4.66	5.66	4.66
	2.56	48.7	4.66	4.66	4.66	4.66	7.66	\$. 66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
009 1	2.46	98.7	4.66	4.66	4.66	4.66	4.66	\$ 66	4.66	4.66					4.66	
	2.66	38.7	4.66	9006	4.66	4.66	4.66	7.66	4.66	4.66	4.66	4.66	4.66		4.66	4.66
7 400	34.5	98.7	4.66		4.66	6	4.66	4.66	4.66	4.66						4.66
300	94.2	98.7	4.66	è.	0	•	4.66		14.66	00.00		0		0		0.00
N 200	84.5	98.7	5.66		4.66	4.66	7.66		14.66	00.00			00.00	0.001	100001	0.00
81	. 4		4.66		6	5				10.00	0.	00	0	0.001		0.00
٥	94.2	48.7	4.66	4.66	4.66	40.66	4.66	5.66	99.41	00.00	00.00	00.00	00.00	0.001	100.001	0.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

STATION

00 90

9000

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	ES)						
(FEET)	71	۰ ۸۱	۷۱ که	۸I	٨١	2 2%	7 Al	۷۱ %۲	VI 27	- AI	% AI	*	% Al	> 5/16	۸I	٨١
	. 9	63.9		4.89	8.	4.68	68.4	4.89	8	4.89	4.89		80	4.89		4.89
> 20000	61.3	0	71.0	74.2	74.8	-5	74.8		74.8	4		74.8	74.8	. 4	74.8	74.8
	61.9	0		74.8		75.5				•		75.5	3			75.5
≥ 16000	61.9	1.69	71.6	74.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5			75.5	75.5	75.5
	N	ċ		75.5	76.1	76.1		16.1	76.1	76.1		76.1	.0	76.1	•	76.1
≥ 12000	65.2	N	74.8	78.1	78.7	78.7	78.7	78.7	00	78.7	00	00	78.7	78.7	78.7	78.7
	70.3			85.2	85.8	10	80.50	85.8	85.8	85.8		85.8	5			85.8
000 AI	70.3			85.2	85.8	85.8	85.8	85.8		5	85.0	101	'n	85.8	85.00	85.8
1	76.8		89.0	92.3	65.6		92.9	65.6	65.6	65.6		65.6	6.26			92.9
1 7000	76.8			92.3	65.6	95.9	92.9	6.26	6.26	92.9		6.26	2		•	6.26
	76.8		0.68		65.6		92.9	6.26		2.			2.	92.9	2	6.76
2000	76.8		89.7		93.6	9.66	93.6	93.6	93.6		93.6	93.6	93.6	93.6	93.6	93.6
1	76.8		89.7	65.6	93.6	3	84.5	34.5			*	*	4		4	94.2
4000	78.1		91.6		95.5	98.5	0	1.96	0	.9	96.1	1.96	96.1	÷	9	96.1
1	78.1			0.46	95.5		1.96	1.96		96.1		. 9	0	1.96		1.96
3000	78.1		91.6	8.96	65.5	6.56		1.96	. 9	1.96	1.96	1.96	1.06	1.96		96.1
1	78.1		916	8.46	95.5	8.56	1.96	1.96	1.96				.0	96.1	9	96.1
2000	78.1		91.6	8.46	95.5	0	1.96	96.1	96.1	96.1			1006	. 9	0	
	78.1			8.56	95.5	15	96.1	1.96	1.96		60.1	. 9	90.1		0	96.1
> 1500	78.7		65.6	1 . 96	8.96		4.16	4.76	4.16	4.16			4.16	4.16	4.16	4.16
	78.7			96.8	4.16		98.1	•	98.1		7.86		98.1	98.1	30	98.1
1000	19.4	92.	3.46		98.1		98.7		7.86	7.86	3		1.86			98.7
	79.4	92.	•	4.16	98.1	98.1			98.7		00		1.86			48.7
008	19.4	92.		4.76	98.1	98.1	98.7	48.7	7.86	98.7	98.7			1.86	98.7	48.7
	79.4						4.66	4.66		4.06		6		4.66	5.66	7.66
00 AI	79.4		94.5	98.1	68.7	98.7	4.66	4.66		4.66		4.66			6	4.66
	79.4		34.5	98.1	1.86		7.66	4.66	66.4	4.66	4.66		66	4.66	4.66	4.66
400	19.4		4	•			00.00	0	00.00	10000	0	0	0	0	•	
	4.61		*	98.7	4.66	0	0.00	100.01	00.00	100.001	100.001	0.	.00	100.00	100.00	0.001
7 200	19.4	65.6	94.8				00.00	100.001	00.00	00.00			.00	0		0
81	6		94.8	68.7	4.66	15.66	00.00		0.0	.00	100.001	10.00	0000	0	ċ	
0	79.4				4.66		00.00	100.00	100.001	10000	00.00	00.00	00.00	100.001	100.001	0.00

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASS TEXAS

73-77

YEARS

0.9 HOURS (1.5.T.)

JUL

JRRENCE	4S)
RCENTAGE FREQUENCY OF OCCURRENC	(FROM HOURLY OBSERVATIONS
PERCI	

TOTAL NUMBER OF OBSERVATIONS

155

1000

93901 STATION

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASS TEXAS

93901

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.2 HOURS (1.5.T.)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	71	۰ ۸۱	۸I	A I	es Al	2 2%	7 Al	۷۱ ۲۷	71 71	- Al	۶ ۱۸	*	% AI	2 5/16	۷I	۸۱
		6.99	5.99	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
> 20000	69.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
		71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	69.7	71.6	71.6	72.9	45.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
	69.7	71.6	71.6	72.9	12.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
> 12000	71.0	72.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
	75.5	78.1	78.1	4.07	4.61	19.4	79.4	4.64	79.4	79.4	79.4	19.4	79.4	19.4	19.4	79.4
0006	76.1	78.7	78.7	80.0	80.0	0.08	80.0	0.08	80.0	80.0	80.0	80.0	0	80.0	90.0	80.0
	77.4	0.08	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	-	-	81.3	81.3	81.3
7000	77.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
i	77.4	0.00	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2000	80.0		82.6	83.9	83.9	83.9	63.9	83.9	83.9	83.9	83.9	83.9	83.9	63.0	83.9	83.9
	80.0	1	82.0	83.9	63.8	83.9	83.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1 1	34.5	87.1	87.7	0.00	0.68	0.69	89.0	0.68	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
		91.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	3	93.6	93.6		93.6
3000	89.7		2.56	98.8	65.5	95.5	95.5	95.5	95.5	95.5		95.5	95.5	95.5		95.5
	6.26		96.8	98.1	98.1	1.85	98.1	98.1	68.1	98.1	98.1		98.1	98.1	98.1	98.1
1 2000	92.3		4.16	68.3	1.86	98.7	7.86	98.7	98.7	98.7	1.86	68.7	98.7	98.7	1.86	48.7
	92.9	1	1.86	4.06	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
1500	6.26		1.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	7.66	7.66
	6.26	1	68.1	90.06	4.66	4.66	5.66	4.66	4.66	4.66	4.66	4.66	4.66	\$. 66	4.66	4.66
1000	6.26	4.16	1.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	5.66	4.66	4.66	4.66	7.66
	92.9	41.4	1.86	4.66	4.66	5.66	5.66	\$. 66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
008 AI	92.9	98.1	98.7	100.00	00.00	00.001	100.001	100.001	100.001	10000	100.001			0000		0.00
	95.9	98.1	16.86	10.001	10.00	10.001	100001	100.001	100.001	10000	100.001	00.00	0	0000	00.00	0.00
09 A1	92.9	98.1	98.7	00.00	00.00	100.00	100001	100.001	100.001	100.00	100.001	100.00	100.00	100.00	00.00	0.00
A1	92.9	98.1	1.86	10001	00.00	0.001	100.001	100.00	0.001	0.001		0	0	0000	0	0.00
V 400	6.26	98.1	98.7	00.00	00.00	100.01	100001	100.00	100.00	10000				00.00	10000	0.00
300	92.9	98.1	1.85	100001	00.00	100.001	100.001	10001	10001	0.001		00.00	0	100.00	100.001	0000
١٨ ٥٥٥	N	98.1	1.86	10.00	00.00	100.001	100.00	100.00	100.00	0.001	100.00	0	0.001	0000	0	0.00
80	92.0	00.00	98.7	00.00		000	100001	00.00	00.00	0.001	0.00	000	0.001	00.00	000	0.00
	3	0	100	0.00	000	0.00	0.001	0001	0.00	0.00	000	0.00	0.00	000	0.00	0000

TOTAL NUMBER OF OBSERVATIONS

155

9999

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

193901 STATION

CEILING VERSUS VISIBILITY

JUL.

8008

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIA	VISIBILITY (STATUTE MILES)	ATUTE MILE	(5;						
(FEET)	5	۰ ۸۱	45 A1	4	e vi	≥ 2%	14	VI 2/1	VI 2.	- AI	% AI	*	λI	2 5/16	7	٨١
	57.4		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
> 20000	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
18000	70.3	71.6	71.6	71.6	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
	70.3		71.6	71.6	71.6	11.0	71.6	71.6	71.6	71.6	71.6	71.6	11.6	71.6	71.6	71.6
	70.3		71.0	71.6	71.6	11.6	71.6	71.5	71.6	71.6			•	71.6	71.6	71.6
≥ 12000	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	13.6	73.6	73.6	13.6	73.6	73.6	73.6	73.6
	74.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	4.11	77.4	77.4	77.4
000	74.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
	76.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
i	78.1	61.9	61.9	6.18	81.9	6.18	81.9	81.9	6.18	81.9	31.9	81.9	81.9	81.9	81.9	81.9
2000	80.0		85.2	85.2	85.2	83.53	85.2	3.58	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1	84.5	89.7	89.7	89.7	89.7	4.68		89.7	89.7	2003	89.7	2.68	89.7	89.7	39.7	89.7
1 1		93.6	93.6	34.5	2.96	2.56	3.56	2.46	2.46	2.46	2.56	34.5	2.46	94.2	34.5	94.2
		8.76	8.56	5.66	6.56	5.5	98.5	699.5	95.5	6.86	95.5	95.5	95.5	95.5	95.5	95.5
3000	2	8.96	9.96	4.16	4.16	4.16	4.16	4.76	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16
		98.1	1.86	68.7	7.86	98.7	7.86	98.7	48.7	98.7	98.7	48.7	48.7	98.7	1.86	98.7
7 2000	65.6	98.1	1.86	98.7	7.86	98.7	7.86	1.86	7.86	7.86	7.86	2.86	98.7	98.7	28.4	98.7
	6.26	98.1	98.1	7.86	7.86	98.7	1.86	68.7	1.86	7.86	1.86	28.7		98.7	98.7	98.7
1500	6.76	98.1	68.1	4.66	4.66	4.66	4.66	\$. 66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	6.26	1.86	93.1	4.66	4.66	4.66	9.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	5.66	66.4
1000	92.9	98.1	1.80	4.66	4.66	99.41	0.00	100.00	00.00	0.001	0.001	10000	100.001	100.001	100.001	000
	6.26	90.1	1.86	4.66	4.60	99.41	00.00	00.01	00.00	00.00	0.001	0.001	0.001	100.001	100.001	0000
008	2	98.1	1.86	4.06	4.66	99.41	0.00	100.00	00.00	00.00	0.001	10001	100.00	100.001	100.001	000
	92.9	98.1	1.86	5.66	4.66	4.66	00.00	00.00	00.00	00.00	0.001	100.00	100.001	10000	10000	00.00
00	85.8	98.1	98.1	4.66	4.66	4.66	00.00	00.00	00.00	10.00	0.001	100.001	10000	100.001	100.001	0000
	2	98.1	1.86	4.66	4.66	4.66	00.00	00.00	0.00	00.00	0.001	10000	100.001	100.001	10000	00.00
VI 400	92.9	98.1	98.1	4.66	4.60	99.41	00.00	00.01	00.00	00.00	0.00	100.001	100.001	100.001	100.001	0.00
30	6.36		98.1	9.66	4.66		0.00	10.00	00.00		0.001		10000	0	0	00.00
1 200	2	98.1	98.1	4.66	4.66	4.66	00.00	10.00	00.00	00.00	0.001	•		100.001	0.001	000
81		90	98.1	4.66			0.00	10.00	00.00	00.00	0.	0000	100.00	100001	100.001	00.00
٥	92.9	98.1	98.1	4.66	4.66	99.41	00.00	00.00	00.00	0.00	0.00	10000	100.00	10000	00.001	00.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLASS TEXAS

93901

18 HOURS (1 S T)

100

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	2	۰ ۱۸	۶۶ ۸۱	٨١	N N	> 2%	7	٧١ ٧٢	71	- AI	% ^I	*	Z AI	≥ 5/16	VI N	٨١
NO CEILING	66.		69.7	1.69			1.69		69.7	1.69				1.69	2.69	69.7
7 20000	61.3	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	3	3	85.2	85.2	85.2
V 18000	81.3	-				85.8	5.	3	3	5	85.2	5	•	5	5	85.2
> 16000	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	i	85.8	85.8	85.8
> 14000	81.9	83.9		8.58		85.8	85.8	85.8		5	85.8	5		5		
12000	95.0			86.5	86.5	86.5	86.5		86.5	86.5	86.5				86.5	86.5
	87.1			93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	3		93.6	93.6	93.6
0006	87.1			93.6	93.6	93.6	93.6	93.6	93.6	93.0			93.6	93.6	3	
	0.68		95.5	1.96	1.96	0	96.1	1.96	96.1	1.96	9	1.96		1.96	1.96	1.96
7000	0.68		93.5	1.96	1.96	96.1	96.1	96.1	96.1	96.1	96.1		96.1	1.96	1.96	1.96
1	89.0			96.1	1.96	0			0				.0	96.1	96.1	1.96
2000	89.7		:	9	96.8	96.8	96.8	•	8.96	96.8	96.8	96.8	96.8	. 9	8.96	8.96
	89.7		96.1	96.8	9.96	96.8	96.8	8.96	8.96		9.96	8.96	96.8	96.8	8.95	96.8
1 1	2.68		•	4.16	4.16	4.16	•	4.16		4.16	4.10	4.16	4.16	4.16		4.16
	89.7	1		4.7.4	91.4	7	4.16		4.16	4.16	-	-		4.16	91.4	
3000	90.3	94.8		98.7	7.86	7.86	7.86	7.86	*	98.7	98.7		98.7	98.7		68.7
	90.3	1	4.16	98.7	48.7	98.7	98.7	98.7	98.7	7.86	98.7	98.7	7.86	28.7		48.7
1 2000	6.06			1.86	7.86	98.7	7.86	7.86	7.86	7.86	2.86	28.7				48.7
	80.0		4.16	98.7	7.86	7.86	98.7	98.7	7.86	7.86		68.7	98.7	98.7	98.7	68.7
1500	90.3		4.10	98.7	98.7	7.86	7.86	7.86	7.86	7.86	1.86	1.86	98.7	68.7	1.86	1.86
	6.06	1	4.16		7.86	98.7	98.7	7.86	2.86	7.86		98.7	98.7	1.86	2.86	48.7
1000	80.3	34.8	4.16	98.7	7.86	68.7	7.86	1.86	7.86	98.7		2.86	4.66	4.66	4.66	4.66
	90.3	8 . 56	9.1.6	·	7.86	8	7.86						4.66	4.06	7.66	4.66
00 A1	90.3			98.7	7.86	98.7	98.7	8		98.7			4.66	4.66	5.66	4.66
	90.3		4.16	98.7	98.7		7.86	68.7		7.86		68.7	4.66	4.66	4.66	7.66
00	80.3		1.	7.86	98.7	98.7	98.7	7.86	7.86				4.66	4.66	4.66	4.66
	90.3	94.8	4.16	98.7	68.7	98.1	98.7	98.7	48.7	7.86		8	4.66	4.66	4.66	4.66
VI 400	6.06		4.7.6	98.7	98.7	98.7	7.86	7.96	98.7	7.86		8	00.00	00.00	0.00	0.00
	80.3		4.16	98.7	7.86	7.86	98.7	7.86	4.36	7.86			100.001		10.001	0.00
7 200	90.3	8.46	4.16	68.7	68.7	98.7	98.7	98.7					00.001	100.00	100001	0.00
VI 8	6.06	. 4	4.10	0	7.86		7.86	98.7	98.7	98.7	1.86		•	0.0	00	0.00
۸۱	90.3	94.8	4.16	98.7	98.7	98.7	98.7	1.86	8.			8.7		100.001	00001	0.00

TOTAL NUMBER OF OBSERVATIONS

155

0148

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 JUL

E

	≥ 5/16 ≥ ¼ ≥ 0	.1 76.1	5.2 85.2	.2 85.2 85.2 85.2		.5 86.5 86.5 86.5	4 68.4 88.4 88.4	0 91.0 91.0 91.0	0 91.6 91.6 91.6	.6 93.6 93.6 93.6	20	1 96.1 96.1	.1 96.1 96.1 96.1	5.3 96.8	.7 98.7 98.7 98.7	.7 98.7 98.7 98.7	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.	0.00100.0100.0100.0	0.0010.0010.0010.	0.0010.0010.0010.	100.001	0.0010.0010.0010.	0.0010.0010.0010.	100	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.	0.0010.0010.0010.
	ΛI *	.1	.2 3		5.8 83	86.5 85	8 + 4 88	0.1	16 91	3.6	æ		-	00		8.7 98	0010-0	0.0100	0.0100	0.0	010.	0.0100	0.0100	0010-0	0.0100	0.0100	10.	010-	010.	010.	.01	0.0100	0.0100
	λI % λI	6.1 7	5.2 6	0	8 8.8	86.5 8	83.4 8	91.0 9	6 9.16		3	96.1 9	96 1.96	00	98.7 98	86 1.86	0010.00	0010.00	00.000	00.000	0010.00	00.000	00:00	0010.00	0010.00	0010.00	0010.00	0010.00	0010.00	0010.00	0010.00	00.00.00	0010.00
ES)	- 1	76.1	85.2	85.2	85.8	86.5	88.4	91.0	9.16	93.6	8.46	1.96	96.1	8.9	98.7	68.7	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001	100.001
VISIBILITY (STATUTE MILES)	71 7	76.1	85.2	85.2	85.8	86.5	88.4	91.0	91.6	93.6	8.76	1.96	1.96	90.8	1.86	98.7	9.66	7.66	4.66	4.66		4.66	4.66	4.66	4.66	99.4	4.66	4.66	4.66	4.66	99.4	4.66	4.66
HBILITY (ST	۷۱ %۲	76.1	85.2	85.2	85.8	86.5	88.4	91.0	91.6	93.6	8.46	96.1	96.1	96.8	7.86	98.7	4.66	4.66	4.66	4.66		4,66	4.66	5.66	3.66	5.66	4.66	7.66	5.66	4.66	7.66	4.66	5.66
VIS	١٧ ٢	76.1	85.2	85.2	85.3	86.5	88.4	0.16	91.6	93.6		1.96	96.1	96.8	98.7	98.7	4.66	7.66	4.66	7.66	4.66	*·66	4.66	4.66	90.6	4.60	4.66	4.66	4.66	5.66	4.66	5.66	4.66
	> 2%	9	3	85.2	85.8	66.5	4.88	91.0	91.6	93.6	94.8	96.1	96.1	96.8	98.7	98.7	4.66	5.66	4.66	6	7.66	4.66	4.66	7.66	4.66	966	4.66	7.06	4.66	96.4	4.66	4.66	\$ 66
	K VI	76.1	85.2	85.2	85.8	86.5	88.4	91.0	91.6	93.6		1.96		96.8	98.7	98.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.60	4.66	4.66
	VI	76.1	85.2	85.2	85.8	86.5	38.4	91.0	91.6	93.6	94.2	\$5.50	98.8	1.96	98.1	98.1	98.7	98.7	98.7	6.36	98.7	98.7	98.7	68.7	98.7	98.7	7.86	0.86	98.7	98.7	98.7	93.7	98.7
	V1 S2										93.6			95.5		1				on	0	98.1			98.1	1	98.1	_	0			98.1	98.1
	9 AI	75.5				1		1			93.6			1												1	5	97.	0	. 16	4.16	67.	o-
	5 71	173	32.6	82.6	83.2	83.2	85.2	87.7	4.88	89.7	90.3	91.6	916	92.3	34.5	94.2	2.56	34.5	34.2	2.96	94.2	34.2	94.2	2006	94.2	2.46	94.2	94.2	94.2	84.2	94.5	94.2	94.2
CEILING	(FEET)	NO CEILING	≥ 20000		7 16000		7 12000		000		1 7 7000	1	2000	1	14		3000	1	2 2000	1	2 1500		90		88		8 1 A I		94		141		0

TOTAL NUMBER OF OBSERVATIONS

155

12505-05181

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

ALL HOURS (LST.)

TOP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	NTUTE MILE	(\$3)						
(FEET)	۸I 2	٨١	۸I	٨١	۸I	1 21/2	N N	۷۱ ۲۶	¥ 1	- AI	% AI	*	% Al	2 5/16	ΛI	٨١
NO CEILING	67.5	70.5	71.0	71.7	71.7	711.7	71.7	71.17	71.7	711.7	711.7	711.7	71.7		71.7	71.7
N 20000	75.1	78.4	5	8.62	4.61	6.62	79.9	6.64	6.64	6.61	6.64	6.61	6.64	6.61	6.64	6.64
	75.1	78.5	0	19.9	80.0	0	0	80.0	80.0	0	80.0	80.0		0	0.08	
16000	75.3	89	79.4	80.1	80.2	80.2	80.2	0		80.2	•	80.5	80.2	80.2	0	80.2
	75.4	-	0	80.2	80.3	80.3		80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
12000	77.3		81.5	82.2	82.2	82.2	82.2	82.2	82.2		•	82.2	2	82.2	82.2	82.2
	7. (0	00	86.5	87.3		4.18		87.4	87.4	87.4	87.4	87.4	87.4	87.4	37.4	87.4
000		86,2	87.0	87.7	6.78	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
	84.3		89.8	90.06	8.06	8.06	9.06	8.06	8.06	8.06	8.06	8.06	0	8006	8.06	8.06
200		89.8	90.3	91.1	61.4	4.16	4.16	41.6		4.16	4.16	4.16	4.16	41.6	4.16	4.16
	0.50	89.8	90.06	4.16	01.6	91.6	9.16	91.6	91.6	91.6	9.16	9.16	91.6	91.6	91.6	91.6
2000	86.2	91.3	92.1	65.6	93.1	93.1	93.1	93.1		93.1	93.1	93.1	3	93.1	93.1	93.1
	36. 36.	92.0	95.8	93.6	63.6	63.6		0.46	0.56	0.46	0.40	0.76		0.46	0.46	
1 41	88.3	60	4.46	95.4	95.6	9.56	5	1.56		7.56	98.7	12.56	95.7	50	45.7	95.7
	89.0	1	95.5	96.2	6.95	96.5	96.5	3.96	36.5	6.96	96.5	36.5	9	96.5	5.96	96.5
3000	89.6	95.1	9	97.1	81.3	97.3	4.1.6	4.76		97.5	6.16	97.5		97.5	97.5	97.5
	90.2	1	0	97.7	61.6	6.7.9	0.86	○·86		98.1	98.1	98.1	œ	93.1	98.1	98.1
7 2000	90.5	95.8	6.96	97.8	98.1	98.1	98.1	1.86	38.1	98.2	2.86	2.86	98.2	98.2	98.5	38.5
	4.06	96.0		0.86		98.2		98.3		4.86	98.4	4.86	4.86		48.86	4.86
1500	90.06	96.5	51.5	98.6	98.8	98.8		6.86	6.86	0.66	0.66	0.66		0.66	0.66	0.66
	90.06		-	8.86	0.66	0.66	1.66	1 . 66	1.66	2.66	3.66	2.66	3.66	2.66	3.66	2.66
VI 000	90.7	96.	1.	6.86	~	99.1		8.66	•		4.66	4.66		4.66	4.66	4.66
	1.06		-	6.86	1.66	0	6.66	66.3	66.3	0	•	7.66	4.66	0		4.66
008	2006		0.86	0.66	6.66	66.3	4.66	4.66	4.66	66.5	66.5	6.66	93.0	9.66	9.66	9.66
	90.7	6.96		99.1	4.66	4.66	6.66	8.66	66.5	9.66	6	9.66	•	1.66		1.66
00	90.7			2.66	4.66	4.66	9.66	9.66	6	1.66	1.66	2.66	6	8.66	8.66	8.66
		96.9		66.5	•	4.66	0.66	9.66		2.65	2.66	2.66		8.66	8.66	8.66
× 400	90.7	97.0	98.1	66.8	6.66	6.66	1.66	1.66		6	8.66	8.66	6.66	6.66	6.66	6.66
30	40.7	0.16		60.0		60.0	2.66	1.66	6	•			00.00	00.00	00.00	0.00
N 200	40.7	0.26	98.1	66.3	66.6	6.66	1.66	66.1	1.66		8.66	99.81	00.00	00.00	00.00	0000
	1.06	0.46	98.1	66.3			2.66	1.66	1.66	8.06			00.00	00.00	00.00	0.00
٨١	2006	0.76	98.1	66.3	6.66	99.5	2.66	1.66	1.66	8.66	8.66	99.81	00.00	00.00	00.00	0000

TOTAL NUMBER OF OBSERVATIONS

1239

9085

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1.5.T.) AUG

1900

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	2	۸۱	۶۶ ۸۱	4	es Al	> 21/2	7 7	71 77	¥1 VI	-	% Al	*	% AI	≥ 5/16	N N	٨١
NO CEILING	78	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	00	78.1	78.1	78.1	78.1	78.1
≥ 20000	_	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
				86.5	.9	86.5	86.5	86.5	86.5	9		.9	85.5	9	9	86.5
≥ 16000	85.8	86.5	86.5	86.5	86.5	86.5		86.5	.9	86.5	86.5	86.5	.0	86.5	36.5	86.5
	80.5		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2 12000	87.1	88.4	88.4	88.4	88.4	4.83	4.88	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	8.76	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
0006	92.9			34.5	94.5	34.5	94.2	2.46	94.5	84.5	2.46	34.5	34.5	34.5	2.46	84.5
	8.56			1.96	1.96	1.96	96.1	1.96	96.1	96.1	1.96	1.96	96.1	96.1	0	1.96
7000	94.8			1.96	96.1	96.1	96.1	1.96	96.1	96.1	1.96	1.96	1.96	1.96	96.1	1.96
	95.5	96.8		8.96	8.96	96.8	8.96	96.8	8.96	8.96	.0	8.96	8.96	96.8	9	8.96
2000	96.8			98.1	1.96	98.1	98.1	98.1	98.1	98.1		98.1	1.86	1.86		1.86
	96.8			98.1	98.1	1.86	98.1	98.1	98.1	98.1	1.86	1.86	1.86	98.1	1.36	98.1
4000	9006		98.1	98.1	98.1	0.89	98.1	98.1	98.1	98.1	1.86		98.1		1.86	1.96
	90.8		68.1	98.1	98.1	1.86	98.1	98.1	98.1	1.86	98.1	58.1	1.86	98.1	1.86	98.1
3000	9006		98.7	7.86	7.86	68.7	1.86	7.86	7.86	7.86	1.86	28.7	7.86	7.86	48.7	48.7
	96.8		68.7	68.7	7.86	98.7	98.7	4.86	7.86	7.86	28.1	2.86	48.7	68.7	7.86	7.86
2 2000	8.06		98.7	98.7	7.86	98.7	7.86	98.7	48.7	7.86	2.86	48.7	7.86		98.7	28.7
	90.8		7.86	68.7	48.7	98.7	98.7	48.7	98.7	68.7	7.86	7.86		68.7	28.4	48.7
> 1500	96.8	- 1	68.7	98.7	7.86	98.7	68.7	4.86	98.7	68.7	1.86	28.1	98.7	98.7	48.7	48.7
1200	97.4	4.66	4.66		4.66			4.66	7.66	4.66	4.66			4.66	3.66	4.66
	97.4	4.66	.66	0			7.66	5						4.66		4.66
% A1	4.	4.66	66	5			4.66							4.66		7.65
00 A1	97.4	4.66			4.66	4.66	39.4	4.66	4.66	4.66	6			4.66		4.66
70	97.4	4.66	4.66	5	4.66	4.66	4.66	5.66	4.66					4.66		4.66
0 9	4.16	4.66	- 1	4.66	4.66	4.66	4.66	3.66	4.66							4.66
200	98.1	100001	100.0	100.001	0.001		100.001	00.00		0000			00.00		•	0.00
	7.	10000	100.0	100.001	100.001		100.001	00.00		0	00.00		00.00		0.00	0000
300	•	100.00100		100.001	10.001	00.00	100.001	0.00		0000	0		00.00	00.00	0	0.00
الم	-	000		100.001	100.001	0.00	00.00	00.00	100.00			0		0	0	0000
VI 80		10000	100.0	100.001	0.	00	0.	00	•	·		0	00.00	0	•	0.00
	70.1	100.0	100.0	100.00	100.00	100.00	100.01	00.00	100.001	00.00	00.00	00.00	00.00	00.00	0000	0000

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

93901

DALLAS, TEXAS

TOTAL NUMBER OF OBSERVATIONS

SOWS

DIRNAVOCEANMET

155

1111

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

CEILING VERSUS VISIBILITY

HOURS (1 S T)

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AUC

PERCENTAGE FREQUENCY OF OCCURRENCE (FDOM HOLIDIX ORSEBVATIONS)

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S.	ET)	NO CEILING	0000	000	000	00	12000	8	0006	8	2000	00	2000	200	4000	200	3000	200	2000	800	1500	300	1000	80	800	200	900	200	400	300	3	80
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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

06 HOURS (1 S T) AUG

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	٨١	70.	74.	14.	74.	74.	74.	79.0	80.	87.	87.	88.	89.	89.	90.3	.06	91.0	92.3	92.9	95.	34.5	04.	34.8	95.	98.	98.	7.66	9.66	7.66	7.66	00.	000	000
	۷I		74.2		74.2	74.2	74.8	79.4	80.0	87.7	87.7		89.1	89.7	6006	6.06	91.0	92.3			34.5	2.40	94.8		98.1	1.86	4.66	4.66	4.66	4.66	0.001	10000	0.001
	5/16	70.3	74.2	14.2	74.2	14.2	74.8	19.4	90.0	87.7	87.7	89.4	89.7	89.7	8006	6006			92.9	65.6	34.5	2.46	8 . 46	95.5	98.1	48.7	4.06	40.66	4.66	4.66	0000	10000	0000
	% AI	70.3	74.2	14.2	74.2	74.2	74.8	19.4	80.0	87.7	87.7	88.4	89.1	89.7	90.3	800.3	91.0		6.26	65.6	24.5	34.5		65.5	1.86	98.7	4.66	4.66	4.66	4.66	0.001	0.001	0000
	*		14.2	•	74.2	14.2	74.8	4.61	80.0	87.7	87.7	88.4	89.7	89.7	8006	8006	91.0		92.9		34.5	34.5	8.46	95.5	98.1	48.1	4.66	4.66	4.66	4.66		0	0.001
	۸۱		74.2	74.5	74.2	74.2	74.8	4.64	80.0	87.7	87.7	4.80	89.7	89.7	90.3	6006	0.16	~		65.6	34.5	2.46		95.5	1.86	68.1	4.66	4.66	4.66	4.66	100.0		0.001
ES)	۸I -	70.3	74.2	14.2	74.2	74.2	74.8	79.4	80.0		87.7	88.4	89.7	89.7	80.3	90.3	91.0	92.3	65.6	92.9	34.5	34.5	8.56	95.5	98.1	98.7	4.66	4.66	4.66	7-66	0.00	0.001	0.001
ATUTE MIL	71	70.3	74.2	14.2	74.2	14.2	74.8	79.4	80.0		87.7	88.4	7.68	89.7	90.3	90.3	91.0	92.3	6.36	65.6	2.46	34.5	8. 96	95.5	98.1	98.7	4.66	4.66	4.66	7.66	0.00	0.001	0.001
VISIBILITY (STATUTE MILES)	٧١ ٧٧		74.2	74.5	74.2	74.2	74.8	19.4	80.0	87.7	87.7		89.7	89.7	80.3	90.3	91.0	92.3	65.6	92.9	2.46	34.5	8.46	95.5	1.86	98.7	4.66	5.66	5.66	3.66	0.00	0001	0.00
VIS	7	70.3	74.2	14.2	74.2	74.2	74.0	79.4	80.0	87.7	87.7	88.4	89.7	89.7	6.06		91.0	65.3	95.9	6.26	94.2	94.2	8.76	95.5	96.1	98.7	4.66	4.66	4.66	4.66	0.001	0.001	0.001
	2 2 1/2	70.3	14.2	14.2	74.2	14.2	74.8	10.4	60.0	37.7	87.7	98.4	2.68	80.7	90.3	80.3	91.0	92.3	92.9	92.0	94.2	*	94.8	888	98.1	98.	4.66	4.66	4.66	4.66	4.66	-	4.66
	۸I	70.3	74.2	14.2	74.2	14.2	74.8	4.64	80.0	87.7	1.18	4.88	89.7	89.7	90.3	6006	91.0	65.3	6.26	65.6	2.46	34.5	8.40	95.5	98.1	98.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	VI 4		74.2	14.2	74.2	74.2	74.8	79.4	80.0	87.7	87.7	88.4	20.4	89.7	80.3	90.3	91.0	92.3	6.26	92.9	94.2	94.2	94.8	65.5	97.4	1.86	98.7	69.7	7.86	98.7	98.7	0.00	98.7
	۸۱ ۲۵	67.7	71.0	71.0	71.0	71.0	71.6	-	76.8	84.5	20	85.5	20	33	87.1	67.1		=	5	CZ:	90.3	90.3	016	C		94.2	34.5	2.46		0	C	0	64.2
	۰ ۸۱	61.9	65.5	65.2	65.2	65.2	65.8	70.3	71.0					80.7	81.3	81.3		1		1	83.2						87.1	87.1	87.1	87.1	87.1	87.1	87.1
	5	1.64	22.81		6.4	52.3	55.9	57.4	56.1	54.5	64.5	65.2	6.99	66.5	67.1	67.1	67.1	\$00.4	\$8.8	4.89	0.69	0.69	69.7	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
CEILING	(FEET)	NO CEILING	× 20000	≥ 18000	≥ 16000		> 12000	1	0006 AI		1 / 1	1	2000		141		3000	1	> 2000		1500		0001		800		00		141		30		٥

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG MONTH 09 HOURS (1.5.T.)

1800

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5 71	9 11	50	4	ε ΛΙ	2 2%	7	۷۱ کا	VI	-	۸I	*	N N	> 5/16	7	٥
NO CEILING	52.3	70.3	70.3	71.0	71.0	75.5	71.0	71.0	71.0	71.0	78.8	71.0	75.5	71.0	71.0	71.0
18000	0 0 0 0 0 0 0 0 0	74.8						0 0	000		0			76.1		76.1
	56.8	74.8		76.1	76.1	7.01	76.1	76.1	0 4	76.1	0			76.1		76.1
		1 - 6				83.2			mm		mm		mm	83.2	mm	83.9
71 VI	65.00	85.2		86.38 86.38	86.5	86.3	00		86.3			86.5	99			86.5
000 000 01 A1 A1	65.8	85.8	88.5 7.4	89.0	87.1	87.1		87.1 89.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
VI VI 4500 4000	67.7	87.7	88.4	90.06	91.0	91.0	89.0	91.0	0 -	91.0	91.0		91.0	91.0	91.0	91.0
3200	0.69	89.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
17 IV IV 2800	70.3	93.7	92.3	91.6	92.3	93.6		93.0		63.6	93.6	92.3	92.3	92.3	92.3	92.3
VI VI 808 1500	71.6	91.0		2.4		93.6	mm	93.6	3	160 NO	9.0	20			30	
Y1 Y1 1000	71.6	2 3	96.1	94.8	95.5		98.1	95.5	95.5		98.1		98.1	98.1	98.1	98.1
88	71.6	+ 4	96.1	96.8	98.1		98.7	98.1	98.1	98.1		98.1	98.1		98.1	98.1
VI VI 8 8	71.6	3 3		00		000	80	60		00	60	4.0		00		99.4
	000	94.5	1.06	96.00	98.7	4 4 4	4.66	000	0.00	00000	0000	0000	0.00	00000	0000	0000
88 89	71.6	94.2	96.1 96.1 96.1	96.8	98.7	4 4 66	000	00000		000	000	000	000		000	00000

TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DALLAS, TEXAS

AUG

1.2 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

78.5 71.6 11.6 72.9 72.3 2 5/16 75.5 9.1 72.3 72.9 67.7 % N 75.5 71.6 11.6 72.3 ۸۱ 72.9 75.5 72.3 9 % \ 75.5 72.3 ۸Ι VISIBILITY (STATUTE MILES) 75.5 72.3 9.1 72.9 7 7 72.3 75.5 71.6 72.9 9.1 77 75.5 72.3 72.9 0. 0.1 7 75.5 9.1/ 12.3 12.9 07. 2 2 1/2 71.6 72.3 72.9 75.5 71.6 ۸۱ 72.3 78.5 71.6 72.9 9.17 ۸۱ 71.6 75.5 72.9 1.6 72.3 ۸۱ 72.9 72.3 9.

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CEILING (FEET)

6.26 96.8 4.66 85.8 89.7 91.6 2.46 96.1 7.86 4.66 4.66 4.66 4.66 4.66 85.8 89.7 89.7 91.6 2.46 8.96 6.26 98.7 98.7 96.1 96.1 85.8 91.6 9006 6.26 2.46 35.8 4.66 4.66 91.6 6.26 6.26 7.86 8.96 4.66 34.5 89.7 89.7 96.1 3.46 84.5 9.16 85.8 96.1 90.8 7.86 4.66 6.26 2.46 \$.66 91.6 4.66 85.8 89.7 1.96 95.8 98.7 92.9 96.8 94.2 4.66 84.5 91.6 5.66 85.8 98.7 96.1 89.7 91.6 4.66 94.2 96.8 92.9 96.1 85.8 89.7 98.7 4.66 4.66 85.8 7.56 1.68 6.76 8.96 4.66 1.96 7.86 91.6 85.8 91.6 34.5 7.86 96.1 6.26 40.66 9.66 89.7 96.8 91.6 24.5 96.8 88.8 89.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

03901 STATION

15 HOURS (LST.)

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE

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CEILING							VISI	BILITY (ST,	VISIBILITY (STATUTE MILES)	(\$2						
(FEET)	5 7	۸I	۶۵ ۸۱	4	۱۸	2 2 1/2	2 4	۷۱ ×۱	71 71	-	% Al	*	% AI	≥ 5/16	7	٥
NO CEILING	9.1	62.6	52.	62.6	62.6	62.6	9.29	•	9.29	2	62.6	62.6	65.6	62.6	62.6	62.6
7000	+	13.0	13.	73.0	13.0	3.0	13.0	13.0		13.0	0 0	3.0	0	3.0		73.0
VI VI 0000 0000	0 10	73.0	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.0	73.6	73.6	73.6		73.6
> 14000	4.80	73.6	73.	73.6	73.0			73.6		73.6		73.6	73.6			73.6
12000	71.0	76.8	76.8	76.8	76.8	76.8		76.8		•	76.0	76.8	.0	76.8		76.8
V 10000	76.8	83.2	33	83.2		83.2	83.2		83.2	*	•	3			3	83.2
0006 1	76.8	83.2	83	543	83.5	83.5	83.5	83.2	3		3		3	63.5	m	83.2
	4.17	6			83.9	3	93.9	63.9		83.9		83.9		•	3	83.9
≥ 7003	77.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9			3		83.9
	4.17	63.9	63.9	63.9	83.9	10	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9		
> 2000	83.2		0.16	91.0	91.0	91.0	91.0	0.16	91.0	91.0	0.16	0116	91.0	91.0	0.16	0.16
	85.2	25	65.6	65.6	65.6	•	6.26	6.26	65.6	65.6	6.26	65.6	6.26		65.6	65.6
4000	87.7	1.96	1.06	96.1	96.1	96.1	1.96	96.1	96.1	96.1	1.96	1.96	1.96	96.1	1.96	1.96
	0.68		4.16	4.66	4.16	1.86	1.86	1.86	98.1	98.1	1.86	98.1	98.1		98.1	98.1
3000	89.0		4.16	4.16	4.16	78.1	98.1	1.86	98.1	98.1	1.86	1.86	98.1	98.1	98.1	98.1
	89.7		1.86	98.1	98.1	98.7	7.86	48.7	4.86	1.86	1.86	48.7	1.96	48.7	28.7	68.7
7 2000	90.3	98.7	1.86	1.86	7.86	4.66	4.66	5.66	4.66	7.66	5.66	4.66	4.66	4.66	4.66	4.66
	8006	98.7					4.66	7.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
≥ 1500	80.3	1.86		98.7	28.1	4.66	4.66	66.4	4.66	4.66	4.66	5.66	4.66	4.66	4.66	4.66
	60.3	98.7	28.1	1.86	68.7	4.66	4.66	9.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
V 1000	80.3	7.86	1.86	98.7	7.80	4.66	5.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
006	90.3	28.7		1.86	68.7	0	7.66	3.66		4.66	4.66	4.66		4.66	4.66	4.66
N 800	90.3	98.7	68.1	7.86	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66	0	4.66	4.66	5.66
	80.3	68.7	98.7		4.66	100.001	00.00	00.00	00.00	00.00	00.00	00.00	0	100.00	00.00	0.00
009 1	60.3	68.1	1.86	1.86	4.66	100.001	00.00	00.00	00.00	00.00	00.00	00.00	0	00.00	00.00	0.00
200	6.06	98.7		68.7	4.66	100.00	00.00	00.00	0.00	00.00	00.00	00.00	0	0.00	00.00	0.00
V 400	90.3	7.86	1.86	7.86	4.66	100.001	00.00	00.0	00.00	0000			0	00.00	00.00	0.00
30	0	1.86			•	10000	00.00	00.0		00.00		0.00		00.00	00.00	0.00
	30.3	98.1	98.1			00.00	00.00	00.00	00.00	0000	0	00.00	0	00.00	00.00	000
86	90.3	00 0				100.00		00.00			00.00	00.00		00.00	0.00	0.00
- 1		18.1	1006	700	43.4	100.001	00.00	000	00.00	00.00	00.00	0000	0000	00.00	0000	000

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOURS (LST.) AUG

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5 7	% AI	۶۶ ۸۱	AI	۸I	2 2%	7	V1 %	71	- AI	74	*	% %	> 5/16	71	٨١
NO CEILING	9.29	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	6/.1	67.1	67.1	67.1
≥ 20000	76.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
	76.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
> 16000	76.1			80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	30.7	80.7	80.7	80.7
	70.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
12000	80.0			85.2	85.2	85.2	85.8	85.2	85.2	88.2	85.2	85.2	85.2	85.2	85.2	85.2
1	85.5	1	06	80.3	90.3	90.3	8.06	8006	90.3	8003	6.06	6.06	60.3	90.3	80.3	90.3
000	85.2	80.3	6009	90.3	90.3	90.3	60.3	80.3	90.3	80.3	90.3	80.3	90.3	90.3	8006	90.3
	87.1	1	92.3	92.3	65.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	65.3	92.3	92.3	92.3
7000	87.1		65.3	92.3	65.3	92.3	92.3	92.3	92.3	92.3	65.3	85.3	65.3	92.3	92.3	92.3
1	87.7	1		65.6	6.56	65.6	92.9	92.9	92.9	92.9	65.6	65.6	92.9	65.6	95.9	92.9
2000	9.16	8.96	96.8	96.8	8.96	96.8	96.8	96.8	8.96	8.96	8.96	8.96	96.8	8.96	8.96	96.8
1	6.26	98.1		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4000	93.6	100.001	100.00	100.001	100.001	100.001	100.001	100.00	100.001	100.00	100.001	0.00	0.00	0.001	0.001	0.001
3500	93.6	100.00	100.001	10001	0.001	100.001	100.00	100.001	100.00	100.001	0.001	0.00	0.001	0.00	0.001	0.00
3000	93.6100.0100.0	100.00	100.00	100.001	100.001	100.001		100.00	100.001	100.001	100.00	0.00	0.00	0.001	0.001	0.00
2500	93.6	93.6100.01	100.00	100.01	0.00	100.001	100.001	100.00	100.00	100.001	0.001	0.00	0.001	0.00	0.001	0000
7 2000	93.6	100.001	0.00	100.001	0.00	100.001	100.001	100.00	100.001	100001	100.00	0000	0.001	0.001	0.001	0.00
1	93.6	3.6100.0	100.001	100.001	0.00	100.001	100001	100.00	100.001	100.00	0.001	00.00	0.001	0.001	0.001	0.00
> 1500	93.61	100.00100.	10000	100.001	100.00	100.001	100.001	100.00	100.00	100.001	100.00	0.00	0.001	0.001	0.001	0.00
1	93.61	100.001	100.0	100.001	0.001	100.0	100.001	100.00	100.00	100.001	0.001	0.00	0.001	0.00	0.001	0.00
1000	93.6	93.6100.0	100.0	100.01	0.001	100.001	100001	100.00	100.001	100.001		0.00		0.001	0.001	0000
8	93.6	3.6100.0100.	10000	100.001	0.00	100.001	100.001	100.00	100.00	100.001	00.00	0.00	•	0.001	0.001	0.001
80	93.6	3.6100.0100.	100.0	100.001	0.001	100.001	100.001	100.001	100.00	100.001		0.00	0.00	0.00	0.001	00.0
2 700	93.0	3.6100.0	0.001	100.001	0.001	100.001		100.00	100.001	100.001		00.00	0	0.001	0.001	0.001
00 AI	93.6	93.6100.0100.	100.0	100.00	100.00	100.001	100.001	100.001	100.001	100.001	00.00	0000		0000	0.00	0.00
	93.6	0.00	100.0	100.001	0.001	100.0	100.00	100.0	100.001	10000	0.00	00.00	0.00	0.001	0.001	0000
V 400	93.61	100.0100	100.0	100.001	0.001	100.001	100.001	100.001	100.001	10000	0.00	0.00		0.001	0.001	0.00
300	93.6	3.6100.0	0.001	100.001	0.00	100.001	10000	100.00	100.00	0	0.00	0.00	•.	0.00	0.001	0000
300	93.6	3.6100.0	100.0	100.		100.001	0.001	00.00				0000	0.00	0.00	0.001	000
8	TS =	0.00	100.0	100.001		100.00	100.00	100.00		0	0.00	0.00	0	0.00	0.00	0.00
	73.0	100.001	10001	100.00	0.001	000	0.001	100.0	0.001	10000	00.00	0000	0000	0.001	0.00	0000

TOTAL NUMBER OF OBSERVATIONS

155

106E0

TOTAL NUMBER OF OBSERVATIONS

1000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

11.

YEARS

AUG MONTH 21 HOURS (1.5.7.)

TO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	01 71	۸۱	۶۵ ۸۱	٨١	es Al	> 2%	7	۷۱ ۲۷	٧١ ٧٢	<u>-</u>	% AI	*	γ λ	2 5/16	AI AI	٥
NO CEILING	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8		74.8	74.8	74.8
7 20000	9.29	85.2	M5.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
		85.	65.2	85.2	85.2	88.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
16000	82.6	838	85.2	85.2	85.2	85.2	5.50	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	82.6	80 80	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.2	85.2	85.2
2 12000	85.8	89.0	0	89.0	0.68	0.68	0.68	0.68	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
	91.6	0	94.8	94.8	8.46	. 47	8.46	8 . 46	3.46	8.46	8.46	8.46		94.8	8.46	8.46
0006 1	91.6	. 96	*		-	4 . 8	8.46	8.46	94.8	*	4	8.46	94.8	-	-	8.46
0008	93.6	96	96.8			9	3.06	96.8	-0	.0	3	. 9	0	6.8	•	8.96
> 7000	93.6	96.	96.8	96.8	8.96	٠. و	8.96	96.8	8006	. 6	8.96	8.96	8.96	96.8	8.96	96.8
	93.6		96.8	96.8	96.8		96.8	96.8	96.8	8.96	96.8	8.96		96.8	96.8	96.8
2 2000	84.5		97.4	4.16	4.16	97.4	97.4	4.16	97.4	4.16	97.4	97.4	97.4	4.16	4.16	4.16
	95.5		7.86	7.86	7.86		7.86	48.7	48.7	7.86	98.7	48.1	68.7	98.7	98.7	98.7
1 4000	95.5		68.7	98.7	7.86	98.7	7.86	98.7	7.86	7.86	98.7	98.7	98.7	98.7	7.86	98.7
	95.5	66.4	4.66	4.06	4.66	4.66	4.66	7.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
3000	90.1	96.1100.010	0	0.0010	100.001	100.001	100.001	0.001	100.001	100.001	100.001	00.00	10001	100.001	00.00	0.00
	96.1	96.1100.010	0.0	100.001	100.001	10000	100001	0.00	100.001	0.001	100.001	0.001	0	100.001	00.00	0.00
7 2000	96.1	96.1100.010	0	.0010.	100.00	100.00	100001	0.001	100.001	100.0	100.001	0.00	100.00	100.00	00.01	0.00
1800	96.1	1100.010	0.0	100.0	100.001	00.00	100001	0000	100.001	10000	100.00	0.001	0	100.001	00.00	0.00
1 1500	96.1	96.1100.010	0	C	100.001	000	00.00	0.00	100.001	0.001	100.001	0.00	0	100.001	•	0000
1200	90.1	100.001	0.0	0			00.00	100.00	100.001	10000	100.00	00.00	0	100.001	00.00	00.00
1000		96.1100.01	0.0		•			00.00	•	0		00.00		100.001	0	000
88	200	100.001	0.0	.00	0.00	00.00	00.00	00.00	00.00		0.001	000	•	10001	0	0000
	1.06	96-1100-010	000	100.00	0.00	000	00000	000	0000		0.00	000	000	0000	0000	000
8 %	96	0000	0	100.00	100.00	100.00	00.00	00.00	100.001	0		0000	0		0	0.00
	96.1	.1100.011.	0.00	100.001		0.00		0.00	100.001	0.001	100.001	0.00	0.00	100.001	00.00	0.00
14	96.1	90.1100.010	0.001	100.001	10.001	0.00	100.00	00.00	100.001	0.001	100.001	0.00	0.001	100.00	00.00	0.00
8 8	96.1	1100.000	00	0001	00.00	000		00.00	00.00	0.00	100.001	00.00	0.00	100.00	0.00	000
	0	100.00	0	100.001		00.00	0000	000	100.00	0		0.00	0.00	100.001	00.00	00.00
30	6.1	0	0	100.01		0.00	10000	0.00		0.001	0000	0.00	0.00	100.001	00.00	0000

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

YEARS

ALL HOURS (1 S T)

2

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
(FEET)	۷۱ 5	٨١	۸۱ ۲۵	VI	٨١	2 2 1/2	7	۷۱ ۲۲	VI 7.	-	۸I ۶	*	Z Al	2 5/16	VI N	٥
NO CEILING		70.2	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	71.1	77.6	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	18.8	78.8	78.8	78.8
	71.1	77.6	78.4	78.9	78.9	78.9	78.9	28.9	78.9	78.9	78.9	6.82	78.9	78.9	78.9	18.9
> 16000	71.2	77.7		79.0	79.0	19.0	79.0	29.0	19.0	19.0	79.0	19.0	19.0	19.0	79.0	0.64
	73.4	77.9		79.2	79.5	19.2	79.2	79.2	79.2	79.2	79.5	79.2	79.2	79.2	79.2	79.2
≥ 12000	73.2	80.1	80.9	81.4	81.4	91.6	81.4	81.4	31.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
	78.6	85.7			87.0	1	87.0	87.0	87.0	87.0	87.0				87.0	87.0
000	78,9	86.1	86.	87.3	87.3	87.3	•	87.3	87.3	87.3		87.3	87.3	87.3	87.3	87.3
		6 88		90.2	90.2	0	90.5	30.5	90.2	0	2.06	30.5	0	90.2		2.06
7000	81.5	6.83		90.2	90.5	90.5		2.06	90.2	90.5	30.5	0	0	90.2	90.2	90.2
		89.3	Į.	90.06	90.06	9006	9.06	0	9006	0	0	0		90.06	9006	90.06
2000	84.1	91.8		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1		93.1	93.1	93.1	93.1
	84.8	92.5			93.8	Call	93.8	10	m	93.8	3			93.8		93.8
4000		93.9	. 46	95.5	95.5		95.5	3.56	95.2			2.56	95.2		95.2	95.2
		94.5		9. s.c.	6.56	96.0			.0	0.96	0	9	0.06	0.96	0.96	9
3000	86.5	94.8		6.96	4.96	96.5	6.96	8.96	6.96	36.5	.0	.0		96.5	96.5	96.5
		95.5		496.7	8.96	6.96	6.96	.0			6.96	. 9	.0	6.96	6.96	6.96
7 2000	87.2	95.7	96		97.3	97.4	97.5	6.16	97.5	97.5		6.16	5.16		81.5	97.5
7 1800	87.3	95.7			4.16	1.	91.6	-		7					91.6	
1500	87.7	6.96	- 1		98.1	98.5	98.5		3.86		98.5		98.5		2.86	
		36.4		2.86	5.86	00	4.86	c	4.86	4.86		0	48.4	4.8	98.4	4.86
1000	87.9	90.96	- 1			98.7	98.8		98.8				98.8		98.8	98.8
		96.8		68.3	98.8	0.66	0.66	0.66	0.66	0.66	•	6	0.66	0.66	0.66	0.66
008	88.2	0.7.6		0.66	2.66	4.66	\$ - 66	66.8	6.66	66.8		60.0	99.3		66.8	66.6
		97.1	1	0.66	4.66	99.5	9.56	1.66	1.66	1.56	1.66	1.66	1.66	1.66	1.66	4.66
009		97.1	98.4	99.1	66.5	0	8.66	8.66	8.66		6	6	8.66	8.66	8 . 66	
200	88.4	97.2	98.5	99.5	9.66	œ.	9.66	6.66	6.66	6.66			6	6.66	6.66	6.66
00 1	88.4	97.5	98.5	2.66	0.66	6	3.66	6.66	6.66	0	6	6	6.66	6.66		6.66
	88.4	97.2	98.5		9.66	0	8.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66
700	68.4	37.2	38.5	3.06	98.6	99.8	66.66	00.00	00.00	0.00		00.00	0.00	0.00	100.001	0.00
		97.2	98.5			6	66.61	00.00	00.00	0.00	0	0	0	0.00	100001	0.00
٨١	98.4	97.2	98.5	99.2	96.6	8.66	66.66	00.00	00.00	0.00	00.00	00.00	00000	0.00	100001	0.00

TOTAL NUMBER OF OBSERVATIONS

1240

12595-96181

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SFP MONTH OD HOURS (LST)

2

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5 71	۸I	۶۰ ۸۱	۸I	٨١	2 2 1/2	7 Al	۷۱ ۲۲	VI 2/1	<u>-</u>	% Al	ж Л	γ Al	≥ 5/16	VI Z	٨١
NO CEILING	*	66.7	66.7	1.99	66.7	66.7	66.7	66.7	1.99	66.7	66.7	1.99	66.7	66.7	66.7	46.7
× 20000	65.3	0.89	68.0	0.89	68.0	0.80	68.0	0.89	68.0	68.0	68.0	68.0		0.89	0.89	0.89
	65.3	68.0	68.0	68.0	68.0	0.80	68.0	·89	0.89	0.89	68.0	68.0	0.89	0.89	0.89	0.89
≥ 16000	65.3	0.89	68.0	0.89	68.0	0.80	68.0	0.89	0.80	0.89	68.0	0.89	0.89	68.0	68.0	0.89
	0.99	68	58.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
> 12000	70.0	72	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
-	78.0	8	81.3	61,3	81.3	. is	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
0006 X	78.7		82.0	82.0	82.0	82.0	82.0	85.0	82.0	82.0	82.0	85.0	82.0	32.0	85.0	82.0
	79.3		83.3	83.3	83.3	63.3	83.3	83.3	83.3	83.3	63.3	83.3	83.3	83.3	83.3	83.3
7000	80.0	84.0	0.40	84.0	0.48	84.0	84.0	0.48	84.0	84.0		84.0				
1	81.3	85.3	85.3	85.3	85.3	65.3	85.3	85.3	85.3	85.3	65.3			85.3		85.3
2000	83.3		87.3	87.3	87.3	87.3	•	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	84.0		88.0	0.88	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	68.0	0.88
1 4000	84.7		0.06	0.06	0.06	90.0	•	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	84.7		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
3000	84.7		0.06	0.06	0.06	90.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	65.3		61.3	91.3	61.3	51.3	61.3	91.3	91.3	91.3	91.3	91.3	6116	91.3	61.3	91.3
1 2000	85.3	40.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	61.3	61.3	91.3	61.3	91.3	91.3
	90.0	61.3	0.26	92.0	0.26	92.0	92.0	92.0	92.0	92.0	0.26	95.0		95.0	95.0	95.0
1500	87.3	92.7	93.3	93.3	63.3	93.3	93.3	63.3	93.3	93.3		63.3	93.3	63.3		93.3
1	87.3	92.7	63.3	63.3	63.3	3	93.3	93.3	93.3	93.3	63.3		93.3	93.3	63.3	63.3
V 1000	87.3	0.56	64.7		1.46	94.7	24.7	1. 56	1.46		1.46		1.46	64.1		1.56
0%	37.3	1.76	65.3				95.3	0	2	5	5		95.3			
	07.3	1.46	65.3	i.		75.3	95.3	65.6	95.3		95.3		70.3		95.3	
1 700		76.7		ė.	0		100						1000	100	100	100
	61.9	1.56	30.0	0		0	1.96	0		9			0		0	
200	83.7	0.96	6.16		8	0	. 8		0.86	00				00		0.86
	20	6.26	28.7		66.3		66.3	86.66	66.3			6		0	0	66.3
300	6	98.0	66.3		10000	10000	100001	0	0.001	10000				ċ	0	
		0.86	66.3	96.3				0	0	0	0	•	0	0	0	000
80	20 0 00 0	0.0	99.9	000		00.001	0	00		0.0	00	0.00	0.00		000	0.00
1	:	0.02	•	•	0	0.00	00.00	0.00	0.00	0.00	000	5	5	0.00	0.00	0

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

03 HOURS (1 5 T)

1000

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	71	۸۱ م	۶۶ ۸۱	۸I	e Al	> 21/2	7	٧١ ٧٧	VI 2/2		۸۱	≱ * ∧I	Z Al	≥ 5/16	AI	٥
NO CEILING	40			68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	58.7	68.7	63.7	1.89	68.7
2004	000		70.7	71.3	31.3	7:53	2.5	11.0	71.3	71.3	7.3	61.3	21.5	11.0	71.3	11.3
141	66.7	70.7	70.7	77.	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	67.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
12000	69.3		73.3	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
V 10000	75.3	30		0.08	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7		0	80.7	
0006 AI	75.3	79.	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7		80.7	80.7	80.7	80.7
	78.0	82	82.7		83.3	•	84.0			*			84.0			0.48
N 7000	79.3	84.	84.0	84.7	84.7	85.3	05.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
	80.7	85.	65.3	86.0	36.0	26.7	86.7	86.7	86.7	86.7		86.7	86.7	86.7	86.7	86.7
2 5000	80.7	85	85.3	86.0	86.0	86.7	86.7	36.7	86.7	86.7	86.7		86.7	86.7	86.7	1.98
	80.7	#F)	85.3	86.0	0.98	56.7	86.7		86.7		86.7	9	86.7		86.7	
× 4000	81.3	86.	86.7	87.3	87.3	88.0	0.88	ි. පිහි	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	85.0	87.	87.3	88.0	88.0	•	68.7	8	88.7		88.7	8	88.7		88.7	
≥ 3000	85.0	87.	38·	88.7	38.7	80.3	89.3	89.3	89.3	6.00	89.3	89.3	89.3	89.3	89.3	89.3
	1.79	88.	88.7	89.3	86.3	0.06	0.06	0	0.06	0.06	0.06	0	0.06	0.06	0.06	0.06
≥ 2000	82.7	89.	90.0	2.06	2.06	91.3	91.3	91.3	91.3	91.3	61.3	91.3	91.3	91.3	91.3	91.3
1800	82.7		0.06				91.3					-	91.3	-		
≥ 1500	85.3	200	95.1	63.3	3	0.46	0.46	0.46	0.46	0.76		4	0.46	0.46	0.46	
	80 60 60 60 60 60 60 60 60 60 60 60 60 60	.26	65.7	93.3	93.3	0.46	0.56	0.46	0.56	0.96	0.46	0.46	0.46	0.56	0.46	0.56
VI 1000	85.3	.26	92.7	93.3	0.56	64.7	1.56	4.7	24.7	64.7	24.7	2.56	1.46	1.56	64.7	2.56
	85.3	92.	95.7	83.3		1.56	2.45	1.46	64.7	64.7	1.46	4	•	24.7	64.7	1.56
008 XI	86.7	63.	0.46	64.7	6.56	96.0	0.96	0.96	0.96	0.96	30.0	0.96	0.96	0.96	0.96	0.96
	86.7	93.	0.46	1. 56	65.3	0.96	0.96	0.96	96.0	9	0.96	9	0.06	0.96	0.96	
009	86.7	63	0.46	1.56	65.3	96.0	90.0	0.96	0.96		0.96	0.96	0.96	0.96	0.96	0.96
200	80.7	94.	1.56	98.3	0.96	1.96	1.96	96.1	1.96	1.96	1.96	1.96	1.06	1.96	1.96	1.96
	87.3	. 76	629	0.96	2.96	97.3	98.7		7.86	66.3	66.3	66.3	63.3	66.3	66.3	66.3
300	67.3		6.50	0.96	2.96	97.3	98.7		7.86	600	66.3	66.3	66.3	86.3	66.3	66.3
N 200	87.3	. 76	95.3	0.96	1.96	97.3	7.86	1.86	98.7	100.0	100.00		100.001	10.00	00.00	0.00
	67.3	3	95.3	0.96	1.96	97.3	7.86	7.86		100.00	100.001		100.00	0000	0	0.00
٨١			6.56	0.96	1.96	61.3	98.7	58.7	98.71	100.001	100.001	00.00	100.001	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

150

48.00

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

0.0 HOURS (1.5.T.)

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	£S)						
(FEET)	2	۸۱	87	1	M Al	2 2%	7 1	VI 7/2	VI VI	- AI	% AI	*	۲۱ ۲۷	≥ 5/16	VI 74	٨١
NO CEILING		50.0	53.3	54.7	56.7	56.7	56.7	56.7	56.7	56.7	1.95	56.7	56.7	56.7	56.7	56.
> 20000		52.7	56.0	57.3	59.3	0.09	0.09	60.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		52.7		57.3	59.3	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
16000	45.3	52.7	56.0	57.3	59.3	0.00		0.09		0.09	0.09	0.09	0.09	0.09	0.09	60
		52.7	56.0	57.3	59.3	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.00	0.09	.09
> 12000	47.3	24.7	58.0	59.3	61.3	62,0	62.0	62.0	62.0	62.0	62.0	62.0	65.0	0.29	62.0	62.
1	52.0	59.3	63.3	64.7	66.7	67.3	67.3	6.70	67.3	67.3	67.3	67.3	61.3	67.3	67.3	67.
0006	52.0	59.3	63.3	1.40	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	61.3	67.3	67.3	67.
1	53.3	61.3	0.99	67.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	10.0	70.0	70.0	70.0
1 7000	53.3	61.3	0.99	67.3	69.3	70.0		70.0	70.0	70.0	70.0	70.0	70.0	20.0	70.0	70.0
1	54.0	62.0	66.7	68.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7		70.
2005	54.7	63.3	0.89	69.3		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.
1	54.7	53.3	68.0	70.0	72.0	12.7	72.7	72.7	72.7	72.7	72.1	72.7	72.7	72.7		72.
1 1		56.7	71.3	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.
1		68.7	73.3	75.3	78.0	78.7	78.7	78.7	7.8.7	78.7	78.7	78.7	78.7	78.7	78.7	78.
3000		68.7	73.3	75.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.
		68.7	73.3	78.3	78.0	8	79.3	79.3	79.3	29.3	79.3	6.61	19.3	79.3	79.3	79.
7000	0.09	70.0	74.7	76.7	19.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.
	0.00	70.0	74.7	76.7	19.3	0.00	80.7	80.7	80.7	80.7				80.7	80.7	80.
1500	61.3	72.0	76.7	78.7	81.3	82.0	32.7	82.7	82.7	82.7	82.7	5	82.7	82.7	82.7	
	62.7	76.7	19.3	81.3	84.0	84.7	36.0	96.	96.0	86.0		9				86.
141	1.99	77.3	82.0	0.48	86.7	87.3	88.7	88.7	88.7	88.7		8	88.7	88.7	88.7	88
	65.3	78.0	82.7	84.7	87.3	0.88	89.3	89.3	89.3	89.3	89.3	89.3		89.3		89.
008	66.7	79.3	84.0	86.0	0.06	90.7	92.0	95.0	92.0	92.0		95.0	95.0	92.0		95.
	66.7	0.08	84.7	86.7	7.06	91.3	93.3	93.3	93.3	63.3	63.3			93.3	93.3	63.
0 1 A I	66.7	80.0	84.7	86.7	60.7	91.3	63.3	93.3	93.3	63.3	63.3	93.3	93.3	93.3	63.3	93.
	66.7	80.7	65.3	0.88	92.7	0.46	0.96	0.96	0.06	0.96	0.06	0.96		96.0		96
400	06.7	81.3	86.0	88.7	63.3	1.96	1.96	1.96	46.7	2.96		1.96		1006	96.7	96
	66.7	82.0	86.7	89.3	0.46	6.56	0.86	0.86	98.0	0.86	00		98.0	98.0	0.86	98
700	66.7	82.0	86.7	89.3	0.46	95.3	98.0	98.7	48.7	600		6	100.00	00001	0.001	100
	66.7	82.0	86.7	89.3	0.46	5	98.0		68.7	6		6.3	C	10000	0.001	100
٥	66.7	82.0	86.7	89.3	0.46	88.3	0.86	68.7	1.86	66.3	00.0	66.3	100.00	0.001	0.001	0000

10666 STATION

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2 5/16

26.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DALLAS, TEXAS

HOURS (L S T)

SEP MONTH 00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

0.09 62.0 67.3 0.89 72.0 74.7 80.0 81.3 0.06 26.0 56.0 70.0 57.3 0.01 62.0 0.09 66.7 86.7 50.7 57.3 0.06 26.0 67.3 72.0 80.0 0.99 0.9/ 65.0 0.99 70.0 81.3 0.89 74.7 86.7 56.1 56.7 80.0 36.7 57.3 81.3 0.06 0.0 56.0 50.0 67.3 70.0 72.0 0.89 74.1 50.0 62.0 62.0 0.99 0.99 1.099 56. ٨١ 72.0 86.7 62.0 67.3 68.0 70.0 62.0 0.99 76.0 81.3 0.06 56.0 56.0 57.3 56.0 0.99 66.7 80.0 74.7 62.0 0.89 81.3 0.06 26.0 76.0 26.0 0.99 26.0 57.3 62.0 0.99 67.3 0.08 2.99 20.07 72.0 74.7 86.7 ۷۱ ۲ 67.3 0.07 81.3 0.29 72.0 0.97 0.89 80.0 56.0 62.0 0.99 96.0 0.99 74.7 86.7 0.06 66.7 56. 57.3 70.0 0.98 56.0 0.89 72.0 0.9 80.0 31.3 89.3 26.0 56.7 67.0 74.7 96.0 0.20 62.0 0.99 1.90 0.99 ٨١ 56.0 0.99 69.3 14.0 0.08 51.3 61.3 11.3 78.7 65.3 84.7 63.3 ۸Ι 67.3 69.3 65.3 65.3 66.7 84.7 71.3 75.3 0.99 78.7 80.0 56.0 61.3 65.3 74.0 ۳ ۸۱ 55.3 61.3 65.3 69.3 55.3 66.7 67.3 56.0 56.7 0.99 61.3

0.49

0.29

48.0

64.1

62.7

48.7

5000

AI AI

63.3

49.3

63.3

61.3

48.0

8000 7000

AI AI

61.3

0.09 63.3

44.7 48.0

000 000 000

ALAI

0.09

58.0

44.

67.3

64.7

49.3

4500

3500 2500 2000 1500

40.1 2.06 92.0 93.3 0.96 96.0 0.88 92.0 89.3 89.3 0.96 86.7 68.0 89.3 89.3 0.26 92.0 93.3 89.3 0.88 71.3 74.0 75.3 78.0 19.3 83.3 0.88 80.3 0.06 1.06 69.3 84.7 36.0 0.97 73.3 0.00 72.0 77.3 86.7 81.3 86.7 78.7 0.99 0.08 61.3 76.7 80.0 66.3 71.3 80.7 80.7 81.3 81.3 72.7 68.7 53.3 56.0 0.29 24.0 57.3 61.3 62.0 63.3 61.3 63.3 63.3 62.7 63.3 62.7 20.

1200

ALAI

ALAL

ALAI

808

ALAI

800

AIAI

500

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

9090

99.3100.0100.0100.0100.0100.0100.0010.00

99.3100.0100.0100.0100.0100.0100.0100.0

66.3

98.7

0.96

.06

63.3

80

AI AI

200

AI AI

99.3 99.3 99.3 99.3 99.3 99.3

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

SEP

1.2 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	ייייייייייייייייייייייייייייייייייייייי	CKKENCE	NS)
E FREQUENCY HOURLY OBS	70	5	ERVATIC
E FREG	VOINE		LY OBS
	CIGI	מאר ח	HOUR

26.73 58.00 50.00			A I SI BILLI	VISIBILITY (STATUTE MILES)	(2)						
47.3 49.3 50.0 50. 52.7 56.7 57.3 57.3 57.3 57.3 57.3 57.3 58.0 58.7 59.3 57.3 57.3 57.3 57.3 57.3 57.3 57.3 57	AI vo	2 2%	2 2 1%	VI 71	-	% ∧I	*	2.	≥ 5/16	AI AI	0 11
53.3 57.3 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0	.0 50.0 50.	0.00	0.0 50	500	50.0	50.0	50.0	50.0	50.0	50.0	50.0
18000 53.3 57.3 58.0 58.0 12000 55.3 57.3 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0	0 0	0 0	U R	• 3	2000		- 00	00		2 0	
12000 54.0 58.7 59.3 59. 12000 55.3 90.0 60.7 67.3 67. 12000 60.0 66.7 67.3 67. 1200 62.0 66.7 67.3 67. 1200 62.0 66.7 67.3 67. 1200 62.0 66.7 67.3 67. 1200 64.7 72.0 72.7 72. 72. 72. 72. 72. 72. 72. 72. 72	58.0	1 100	3 0	2				28.0	300		
12000 55.3 60.0 60.7 60.7 60.0 60.0 60.0 60.0 66.7 67.3 67.3 67.3 60.0 61.3 68.7 67.3 67.3 60.0 61.3 68.0 68.7 69.3 69.3 60.0 64.7 72.0 72.7 72.7 72.0 72.7 72.7 72.0 72.7 72.0 74.0 74.0 74.0 84.7 85.3 86.0 86.1 80.0 76.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.7 92.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96	.3 59.3 59.	9.3 5	3	59.	6	59.3	6		0	6	
10000 60.0 66.7 67.3 67. 8000 61.3 68.0 68.7 68.3 68.0 68.7 65.3 67. 5000 62.0 69.3 70.0 70.7 72.0 72.7 72.7 72.0 72.7 72.7	.7 60.7 60.	60.7 6		.09	0	60.7	2.09	60.7	60.7	60.7	1.09
9000 60.0 66.7 67.3 67. 9000 61.3 68.0 68.7 68.7 5000 62.0 69.3 70.0 70. 5000 66.0 72.3 74.0 74. 5000 66.0 75.3 74.0 74. 5000 74.0 84.7 85.3 86. 1300 76.7 92.0 94.7 95. 1500 76.7 92.0 94.7 95.3 96. 500 76.7 92.7 95.3 96.	60	67.3 6	7.3 61.	.3 67.3	67.3	67.3	61.3	61.3	67.3	67.3	67.3
8000 61.3 68.0 68.7 68.7 68.3 69. 65.0 68.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7 7	.3 67.3 67.	67.3	7.3 67.	3 67.3	67.3	67.3	61.3	67.3	67.3	67.3	67.3
2500 61.3 68.7 69.3 69. 5000 64.7 72.0 72.7 72. 4500 66.0 73.3 74.0 74. 4500 68.0 75.3 76.0 74. 2500 74.0 84.7 85.3 86. 1500 76.0 88.7 89.3 90. 1500 76.7 92.0 94.7 95.3 96. 500 76.7 92.0 94.7 95.3 96. 500 76.7 92.7 95.3 96. 500 76.7 92.7 95.3 96. 500 76.7 92.7 95.3 96. 500 76.7 92.7 95.3 96.	.76	68.7 68	8.7 68	7 68.7	58.7	68.7	28.7	68.7	68.7	68.7	68.7
2000 62.0 69.3 70.0 70. 5000 64.7 72.0 72.7 72. 4500 68.0 73.3 74.0 74. 2000 70.7 78.3 76.0 76. 2000 74.0 84.7 65.3 86. 2000 74.0 85.3 86.0 86. 1300 76.0 88.7 89.3 90. 1300 76.7 92.0 94.7 95. 500 76.7 92.0 94.7 95.3 96. 500 76.7 92.7 95.3 96. 500 76.7 92.7 95.3 96. 500 76.7 92.7 95.3 96.	.3 6	69.3	0	0.07 0.	70.0	70.0	70.0	70.0	10.0	70.0	70.0
5000 64.7 72.0 72.7 77.7 74.0 4500 66.0 73.3 74.0	.0 70.0 70.	70.07	0.0 70.	7 70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4500 66.0 73.3 74.0 74. 4500 66.0 75.3 76.0 76. 3500 74.0 84.7 85.3 86. 1500 74.0 85.3 86.0 86. 1500 76.0 88.7 89.3 90. 1700 76.7 92.0 94.7 95. 1500 76.7 92.0 94.7 95.3 96. 1500 76.7 92.7 95.3 96. 1500 76.7 92.7 95.3 96. 1500 76.7 92.7 95.3 96. 1500 76.7 92.7 95.3 96.	.7 72.7 7.	72.7	2.7 73	3 73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
1300 76.0 76.0 76.0 76.0 1300 70.7 78.7 79.3 79.3 79.3 1300 74.0 84.7 85.3 86.0 86.1 1300 74.0 85.3 86.0 86.1 1300 76.0 88.7 89.3 90.1 1200 76.7 92.0 94.0 92.0 1000 76.7 92.0 94.7 95.0 1000 76.7 92.0 94.7 95.3 1000 76.7 92.7 95.3 96.2 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 1000 76.7 92.7 95.3 96.3 <t< th=""><th>74.0 7</th><th>.0.</th><th>100</th><th></th><th></th><th>74.1</th><th></th><th>74.7</th><th>4</th><th>74.7</th><th>74.7</th></t<>	74.0 7	.0.	100			74.1		74.7	4	74.7	74.7
3500 70.7 78.7 79.3 79.3 79.3 79.3 3000 73.3 82.0 82.7 82.7 82.2 2000 74.0 84.7 85.3 86.0 86.1 1500 76.0 88.7 89.3 90.1 90.0 76.7 92.0 94.7 95.0 94.7 95.0 94.7 95.3 96.0 76.7 92.0 94.7 95.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96	.0 76.0 76.	-	.0 76	7 76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3000 73.3 82.0 82.7 82. 2000 74.0 84.7 85.3 86.0 86. 1300 76.0 88.7 89.3 90. 1300 76.7 92.0 94.7 95.0 92. 1000 76.7 92.0 94.7 95. 1000 76.7 92.0 94.7 95. 1000 76.7 92.7 95.3 96. 1000 76.7 92.7 95.3 96. 1000 76.7 92.7 95.3 96. 1000 76.7 92.7 95.3 96.	.3 79.3 79.	79.3 7	20	20	80.0	0.08		80.0	80.0	80.0	80.0
2500 74.0 84.7 55.3 86.0 86. 1800 74.0 85.3 86.0 86. 1300 76.0 88.7 89.3 90.1 1200 76.7 92.0 94.7 95.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 92.0 94.7 95.3 96.0 76.7 92.7 95.3 96.3 96.3 96.7 92.7 95.3 96.3 96.7 92.7 95.3 96.3 96.7 92.7 95.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96	.7 8	82.7 8	83	.3 83.3	10	83.3	83.3	83.3	83.3	83.3	83.3
2000 74.0 85.3 86.0 86. 1800 76.0 88.7 89.3 90. 1000 76.7 91.3 94.0 94. 1000 76.7 92.0 94.7 95.0 94.7 95.3 96. 1000 76.7 92.0 94.7 95.3 96. 1000 76.7 92.7 95.3 96. 1000 76.7 92.7 95.3 96. 1000 76.7 92.7 95.3 96.	.3 8	86.78	.7 87	.3 87.3	87.3	87.3		87.3	87.3	87.3	87.3
1500 74.0 85.3 86.0 86.1500 76.0 88.7 89.3 90.1000 76.7 92.0 94.7 95.0 94.7 95.3 96.0 86.1000 76.7 92.0 94.7 95.3 96.1000 76.7 92.7 95.3 96.100 76.7 92.7 92.7 95.3 96.100 76.7 92.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.7 92.3 96.100 76.7 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92	. 86	88.0 8	88 0.8	.7 88.7	88.7	88.7	88.7	88.7	68.7	88.7	88.7
1300 76.0 88.7 89.3 90. 1200 76.7 90.7 92.0 92. 1000 76.7 92.0 94.7 95. 1000 76.7 92.0 94.7 95. 100 76.7 92.7 95.3 96. 100 76.7 92.7 95.3 96. 100 76.7 92.7 95.3 96.	0.86	00	8.0 88	.7 88.7		88.7		88.7	88.7	88.7	88.7
1200 75.7 90.7 92.0 92. 1000 76.7 91.3 94.0 94. 800 76.7 92.0 94.7 95. 700 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96.	.3 90	91.3 9		.0 92.0	92.0		95.0	95.0	92.0	92.0	92.0
1000 76.7 91.3 94.0 94. 800 76.7 92.0 94.7 95. 800 76.7 92.0 94.7 95. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96.	.0 92	\$ 0.40	4.0 94	7. 94.7	64.7	1.46	4.7	64.7	64.7	1 . 76	2. 56
700 76.7 92.0 94.7 95. 800 76.7 92.0 94.7 95. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96. 800 76.7 92.7 95.3 96.	76 0.	96.0 9	96 0.9	.7 96.7	2.96	1.96		1006	1.96	1.96	46.7
300 76.7 92.0 94.7 95.0 700 76.7 92.7 95.3 96. 300 76.7 92.7 95.3 96. 300 76.7 92.7 95.3 96. 300 76.7 92.7 95.3 96. 200 76.7 92.7 95.3 96.	5 1.	97.3 9		0.86 0.	0.86	90.0		0.86	0.86	0.86	0.86
700 76-7 92-7 93-3 96 400 76-7 92-7 95-3 96 400 76-7 92-7 95-3 96 300 76-7 92-7 95-3 96 200 76-7 92-7 95-3 96	.7 95	97.3 9	7.3 98.	0.86 0.	98.0	0.86	0.86	98.0	0.86	98.0	0.86
500 76.7 92.7 95.3 96 500 76.7 92.7 95.3 96 300 76.7 92.7 95.3 96 200 76.7 92.7 95.3 96	.3 9	0.86	8.0 98	.7 98.7	98.7	7.86	98.7	78.7	98.7	7 86	7.86
300 76.7 92.7 95.3 96 300 76.7 92.7 95.3 96 200 76.7 92.7 95.3 96	.3 9	98.0 9	86 0.	7.88.7.	7.86	7.86	4.86	7.86	98.7	7.86	7.86
200 76.7 92.7 95.3 96 200 76.7 92.7 95.3 96	.3 9	6 4.86	8.7 99.	.3 99.3	66.3	66.3	86.3	66.3	66.3	66.3	66.3
200 76.7 92.7 95.3 96 200 76.7 92.7 95.3 96	.3 96.0 97.	98.7 9	-	. 3 99.3	6	66.3	8.66	8. 66	86.66	8.66	6.66
200 70.7 92.7 95.3 96	.3 9	98.7	65 4.8	€ 66 €	0.001	00.00	10.00	0000	10000	00.00	0.00
	.3 96.0 97.		-		0.001	00.00	•		0.0	00.00	0.00
100 76.7 92.7 95.3 9	.3 96.0 97.	8.7	6 1 .	0	100001	00.00	0		10.0	00.00	0.00
0 76.7 92.7	.3 9	6	8.7 99.	3 99.3	00.001	10.00	00.00	00.00	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

3000

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

9000

1.5 HOURS (1.5.7.) SEP

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93901

DALLAS, TEXAS

DIRNAVOCEANMET

SMOS

82.0

82.0

82.0 82.0

82.0 82.0

82.0

82.0

82.0 82.7

82.0

77.3

77.3 77.3

77.3 82.0

77.3

82.0

82.0

85.0

82.7 84.7

82.7

82.7 82.7

84.7 84.7

84.7

82.7

84.7 84.7 1.48

82.7

84.7

84.7

84. 84.7

84.7 84.7

84.7

84.7

84.7 84.7

84.7

84.7

84.7

84.7

. 40

84.7

2. 78

84.7

86.7 86.7 87.3 87.3

86.7 86.7

87.3 87.3

87.3 87.3 87.3 87.3

7.06 92.7

7.06

86.7 86.7 86.7 86.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

3 8 HOURS (1 S T) MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

DALLAS, TEXAS

VISIBILITY (STATUTE MILES)

69.3 72.0 6.69 72.0 VI 7 69.3 69.3 69.3 69.3 69.3 7 11

69.3

69.3

69.3 69.3

> 69.3 69.3

63.3

72.0 76.7

72.0

72.0 76.7

0.99

Y Y Y 1400

63.3

76.7 77.3

69.3

۳ ۸۱

۷I

۰۵ ۸۱

۰ ۱۸

(FEET)

62.0

65.0

NO CEILING

2 20000

69.3

69.3

69.3

69.3 69.3 69.3 69.3

٨١

*

% Al

69.3

69.3

72.0 69.3

72.0

72.0

72.0 72.0

69.3

69.3 69.3

76.7 77.3

76.7

76.7

76.7

76.7

76.7 76.7 82.0 77.3 72.0 77.3 76.7 82.0 72.0 77.3 76.7 69.3 69.3

82.0 84.7 82.7 82.0 82.0 69.3 72.0 82.0 82.1 84.7 100 76.7 77.3 69.3 69.3 72.0

77.3

77.3

0.07

000 000 000

0.01

82.0

62.0

82.7

32.7 84.7

73.3

75.3

5000

ALAL

84.7 84.1

82.0

82.0

82.0 72.7 82.0

72.7

8000

ALAI

84.7 84.7 1.99 84.7 7.00 84.7 82.0 82.0 84. 82.7 82.0

1.06 87.3 87.3 1.06 86.7 84.7 84.7 84.7 82.7 84.7 84.7

84.7

84.7

75.3

4500

ALAI

3500

AI AI

63.3 92.7 90.7 7.46 0.06 91,3 1 . 78 86.7 0.26 B4.7

76.7 87.3 87.3 87.3 87.3 63.3 0.06 40.7 91.3 86.7 0.06 61.3 7.06 86.7 75.3 70.0

02.1 92.7

1.50

17.3 18.7

78.0

2500

ALAL

79.3

1800

AI AI

80.0

0.96

0.46

1200

ALAI

0.76 0.46 80.0

0.46 80.0 0.00 80.0

88

66.3 66.3

66.66

66.3

99.3 99.3 99.3

8.66

60.3

66.3

6.65

99.3 99.3 99.3

86.3 66.3

8.66

98.7

97.3

1.96

99.3

2.56

7.86

98.

6.16

1.96

6. 36

1.40

97.3 98.0

1.96

94.7 95.3

7.96.7.96

96.3

66.3

6.66

99.3 99.3 99.3 99.3

98.7 99.3 66.3

67.3

1.96

98.3

64.7

98.7

6.16

1.96

99.3

1. 46

0.8%

6.16

0.88

97.3

0.96

95.3

80.0

80

300

AI AI

0.96

0.96

95.3

65.3

65.3

0.86

97.3 97.3 0.0010.00100.00100.00100.00100.00100.00100.0010.00100.00100.00 0.0010.00100.0010.00100.00100.00100.00100.00100.00

7.86

48.7

7.86

97.3 97.3

6.56

95.3 63.3

6.56

95.3 97.3

93.3 93.3

93.3 95.3 97.3

93.3

93.3 7.36

92.7

7.46 7.96

98.7 98.7 98.7 98.7 98.7

97.3 97.3

7.86

7.86

1.86

68.7

98.7 98.7 98.7

93.3

63.3

63.3 95.3 97.3

93.3 65.3

93.3

92.7 7.06

92.7

92.7

1.76

92.7 1.06

1.06

40.1

1.06 92.7

1.06

6.36 6.16

0.08

800

80.0

80.0

500

ALAI

80.0

44.7 94.0 80.0

7.46

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2.1 HOURS (1.5.T.) SEP

H

CEILING (FEET)																
	0	۷ ۸۱	۶۶ ۸۱	→	M Al	> 21/2	7	71	¥1 ¥1	- -	N N	*	% AI	≥ 5/16	۸I ۲	٥
NO CEILING	65.3	67.3	7		1.	67.3	67.3		67.3	67.3	67.3	67.3	61.3	67.3	67.3	67.3
20000	69.3	73.3			73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	3		73.3
0008	69.3	73.3	73.3	73.3		73.3	73.3	73.3		73.3	•	73.3	73.3	73.3	73.3	73.3
16000	66.3	73.3			73.3	-	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
000	70.0	0	14.0		74.0	0.4	0.47	74.0	74.0	74.0		0.4	0.4	74.0	0.41	74.0
12000	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	70.0	76.0	0	76.0	76.0	76.0
000	77.3	~	81.3		81.3	01.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	-	81.3
0006	77.3	81.3	81.3	81.3	81.3	01.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
0008	78.7	6	83.3		63.3	63.3	83.3	83.3	63.3	101	83.3	3	83.3	83.3	3	83.3
7000	80.0		84.7		84.7	34.7	84.7	84.7	84.7		84.7	. 4	*	84.7	84.7	84.7
000	80.7		85.3		85.3	65.3	85.3	85.3	85.3	1:	85.3	85.3	85.3	85.3	2	85.3
2000	1.78		87.3		-	87.3	87.3		-	-				87.3	87.3	87.3
200	83.3		98.0			0.88		0.88	88	88.0		88.0	88.0	88.0	88.0	88.0
4000	84.7		89.3		6	89.3	89.3	89.3	89		89.3			89.3		•
200	84.7	89.3	89.3	86.3		89.3	89.3	89.3		0	89.3	89.3	89.3	89.3	89.3	89.3
3000	85.3		0.00		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0	0.06		
	85.3		2.06		0	0	2.06	4.06	0	ċ			0	0	0	
2000	85.3	0	2.06		2.06	106	61.3	61.3	91.3	91.3				-	-	91.3
	0.00		61.3			-	92.0	0.26	2	92.0	2	92.0	2.		2	
1500	87.3	~	63.3		93.3	93.3	•	1.46	4.7	2.56	1.46	24.7	;	4.7	. 4	4.7
200	87.3	-	63.3		63.3	0	64.7	64.7	64.7			4	4.7		24.7	1.56
0001	87.3		93.3	63.3	63.3	93.3	74.7	1.46	4.7	4.7	2.06	24.7	4.7	24.7	4.7	2.56
8	87.3	~	63.3		63.3	93.3	7.40	1.56		4.	1.46					24.7
800	88.0	93.3	0.46		0.46	0.46	95.3	5	95.3	95.3	65.3	62.3	65.3		65.3	95.3
700	0.00		0.46	0.46	0.46	0.46	0.96	0.96		. 9		0.96		9		0.96
900	88.7	~	6.56	0.96	1.96	1.96	28.4	98.7	7.86	7.86	1.86	98.7	7.86	98.7		98.7
200	2.83	. 47	95.3		1.96	81.3	6.66	8.66	66.3	66.3	6.66	66.3	66.3	66.3	66.3	66.3
400	68.7	1.56	95.3	0.96	1.96	98.01	00.00	100.00	100.001	00.00	100.00	00.00	0	10000	100.001	0.00
300	88.7	1.56	6.66			98.01	00.00	00.00	00.00	00.00	•	00.00	00.00	0.00	100001	0.00
200	68.7	6.7	95.3		2.96	98.00	00.00	100.00		00.00	•	00.00	00.00		•	0.00
8	88.7	. ,	65.3	0.96		0	10.00	100.01	10000	0000	0	0	0		100001	
0	7	200	2	200	7	0	M	-		4	2			-	-	4

TOTAL NUMBER OF OBSERVATIONS

150

93901 STATION

DIRNAVOCEANMET

SMOS

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 5 T)

9899

SEP

2.6	CEILING (FEET)								VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
CEILING 54.2 58.1 58.7 59.1 59.3 59.3 59.4 59.4 52000 57.8 63.1 63.7 64.1 64.3 64.4 64.5 64.6 64.5 64.6 64.5 13000 57.9 63.2 63.8 64.2 64.4 64.5 64.6 64.5 64.6 64.5 13000 55.3 65.3 65.3 64.8 65.0 65.1 65.2 65.2 65.2 13000 65.3 71.4 72.3 72.5 72.8 72.8 72.3 72.3 73.3 73.3 73.0 65.5 71.4 72.3 72.5 72.6 72.7 73.3 73.3 73.3 73.3 73.3 73.3 73.3								۵ ۱۸	۷۱ ۲۰	VI 7	_ A1	۸I	* ^!	Z AI	≥ 5/16	≱ Al	٨١
20000 57.8 63.1 63.7 64.3 64.4 64.5 64.6 64.6 13000 57.9 63.2 63.8 64.2 64.4 64.5 64.6 64.6 13000 57.9 63.2 63.8 64.3 64.4 64.5 64.6 64.6 13000 55.4 65.8 66.3 64.3 64.4 64.5 64.6 64.6 64.6 13000 55.4 65.8 66.3 65.8 64.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67	NO CEILING	. 5	58.1		0.	6	· C	0	6	29.4	29.4	59.4	6	29.4	90.4	6	59.4
18000 57.9 63.2 63.8 64.2 64.4 64.5 64.6 64.6 13000 57.9 63.2 63.8 64.3 64.4 64.5 64.6 64.5 13000 57.9 63.2 63.8 64.3 64.5 64.6 64.6			63.1			. 4	. 4	4	4.	64.5	64.5	64.5	4 .	64.5	4	64.5	64.5
10000 57.9 63.2 64.3 64.3 64.4 64.5 64.6 64.6 64.6 12000 55.4 63.8 64.3 64.8 65.0 65.1 65.2 65.2 65.2 12000 65.3 71.2 72.0 72.5 72.8 72.9 72.3 72.3 73.3 73.3 73.3 73.3 73.3 73.3			63.2		64.2	4.	4	•	4.	9.49	9.49	9.49	9.59	*	. 4		94.6
12000 58.4 63.8 64.3 64.8 65.0 65.1 65.2 65.2 65.3 12000 65.3 71.2 72.0 72.5 72.6 72.6 72.7 72.3 72.3 72.6 72.6 72.6 72.7 72.3 72.8 72.9 72.0 73.0 73.0 73.0 65.5 71.4 72.3 72.6 73.0 73.2 73.3 73.3 73.3 70.0 65.5 71.4 72.3 72.6 73.0 73.2 73.3 73.3 73.3 70.0 65.7 75.6 74.3 75.2 75.8 76.0 76.2 76.3 76.3 76.5 76.0 76.2 77.7 75.6 76.3 76.3 76.0 76.2 77.6 77.7 77.3 78.3 78.3 78.3 76.5 77.6 77.7 77.3 78.3 78.3 78.3 77.1 77.3 77.3 78.3 78.3 77.1 77.3 77.5 77.6 77.7 77.3 78.3 78.3 78.3 77.1 77.3 77.5 77.6 77.7 77.3 78.3 78.3 78.3 78.3 77.6 77.5 77.6 77.7 77.3 78.3 78.3 78.3 78.3 77.6 77.6 77.7 77.3 78.3 78.3 78.3 77.1 77.3 77.5 77.6 77.6 77.1 77.3 77.3 78.3 78.3 78.3 77.1 77.3 77.5 77.6 77.1 77.3 77.3 78.3 78.3 78.3 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77			63.2	•	4		*	. 4	4	9.49	9.49	4	4 .	+		9.49	9.49
12000 5 0 3 6 5 6 6 6 6 6 7 1 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 6 7 3 7 3			63.8		*		5.	5	5.	2.59	65.2	65.2	65.2	2.69	65.2	65.2	65.2
10000 65.3 71.2 72.6 72.5 72.6 72.7 73.0 73.0 73.0 57.6 71.4 72.3 72.6 73.0 73.2 73.3 73.3 73.3 7000 65.0 74.8 75.8 76.3 76.0 76.2 76.3 76.3 76.9 7000 65.0 74.8 75.8 76.3 76.0 76.2 76.3 76.3 76.9 77.1 77.3 77.3 77.3 77.3 77.3 77.3 76.5 77.6 77.7 77.3 77.3 77.3 77.3 77.3 77.3			65.8			67.1		-	67.3	•	67.3	67.3	67.3	1.	67.3	67.3	67.3
9000 65.5 71.4 72.3 72.6 73.0 73.2 73.3 73.3 73.3 70.00 67.6 74.8 75.2 75.8 76.0 76.2 76.3 76.3 76.9 5000 65.7 75.6 75.2 75.3 76.5 76.0 76.3 77.5 77.1 77.3 77.5 77.6 77.7 75.6 76.3 76.9 76.8 76.9 76.3 77.3 77.3 77.3 77.3 77.3 77.3 77.5 77.6 77.7 75.0 72.3 77.3 77.3 77.3 77.3 77.3 77.5 77.6 77.7 7 79.0 72.3 79.4 77.7 7 79.9 60.1 80.2 80.9 77.7 7 79.9 60.1 80.2 80.9 77.5 77.6 77.7 7 79.9 60.1 80.2 80.9 77.5 77.6 77.9 77.9 77.9 77.9 77.9 77.9 77.9		65.3	71.2	72.0			12.9		73.0		50		3	*	73.0	3	73.0
8000 67.6 76.3 75.2 75.8 76.0 76.2 76.3 76.9 7000 68.0 76.8 76.8 76.8 76.8 76.9 8000 76.7 77.1 77.3 77.5 77.6 76.8 76.9 8000 76.3 77.3 78.3 78.3 77.5 77.6 77.7 4000 76.3 77.3 78.3 78.3 78.3 77.5 77.6 77.6 77.6 77.7		65.5	71.4						•	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
7000 58.0 74.8 75.8 76.3 76.6 76.8 76.8 76.8 76.9 5000 58.7 75.6 76.5 777.1 77.3 77.5 77.6 77.5 77.6 77.7 75.0 5000 70.3 77.3 78.3 78.8 79.1 77.3 77.5 77.6 77.7 79.9 50.1 50.2 80.3 79.4 73.0 72.3 79.9 80.9 81.6 81.9 82.1 52.2 82.3 79.6 77.7 79.9 80.9 81.6 81.9 82.1 52.2 82.3 79.6 77.9 83.0 74.3 82.4 83.0 84.3 84.3 84.3 84.7 86.8 85.0 85.1 52.0 74.9 83.6 83.1 86.0 86.5 86.9 86.9 86.9 85.1 86.9 86.9 78.0 78.0 87.6 87.0 88.0 88.1 88.3 88.4 87.6 87.0 88.0 99.1 88.3 88.3 88.6 99.1 88.0 78.3 88.6 99.2 97.2 97.6 97.3 99.3 97.4 97.5 97.6 97.8 97.1 98.3 97.6 97.8 97.1 98.3 97.1 97.3 97.4 97.5 97.8 97.6 97.8 97.1 97.9 97.8 97.6 97.8 97.6 98.8 99.1 99.4 97.8 97.6 98.8 97.6 97.8 97.8 97.6 98.8 97.6 97.8 97.8 97.6 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8		67.6	74.3	75.			•			76.3	76.3	76.3		76.3	. 9	76.3	76.3
5000 58.7 75.6 76.5 77.1 77.3 77.5 77.6 77.5 5000 70.3 77.3 78.3 77.1 77.5 77.6 77.6 4500 77.3 78.3 78.8 79.1 79.3 77.6 4500 77.3 78.3 78.6 81.6 81.9 82.1 82.2 82.3 3500 74.3 82.4 83.0 81.6 81.9 82.1 82.2 82.3 2500 74.3 83.4 83.0 84.3 84.7 84.3 84.7 86.8 85.6 2500 74.3 85.4 87.0 88.3 94.7 86.8 86.8 1500 76.3 86.4 87.0 88.7 88.1 88.3 88.3 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 <t< th=""><th></th><th>68.0</th><th>74.8</th><th>7.5</th><th></th><th>•</th><th></th><th></th><th>•</th><th>16.9</th><th>•</th><th></th><th>16.9</th><th>16.9</th><th>16.9</th><th></th><th>16.9</th></t<>		68.0	74.8	7.5		•			•	16.9	•		16.9	16.9	16.9		16.9
5000 70.3 77.3 78.3 78.8 79.1 79.3 79.3 79.3 79.4 4500 72.3 77.3 78.3 78.8 79.9 60.1 80.2 80.3 4500 72.3 78.9 81.6 81.9 82.1 82.2 82.3 3500 74.3 82.4 83.0 84.3 84.7 84.8 85.1 2500 74.3 82.4 83.0 84.3 84.7 84.8 85.1 2500 75.8 84.8 85.4 87.0 86.5 86.8 85.1 1800 78.0 87.6 87.0 88.7 86.8 86.8 85.6 1800 78.0 87.6 87.0 88.7 86.8 86.8 86.8 1800 78.0 87.0 87.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 9		68.7	75.6	16.		77.3	17.5	•	-	7.17	77.7	77.7	77.7	7.17	7.17	77.7	77.7
4500 71.1 78.1 79.0 79.7 79.9 50.1 50.2 80.3 30.0 72.3 79.9 80.9 81.6 81.9 52.1 52.2 82.3 30.0 74.3 82.4 83.0 84.3 84.7 84.7 84.8 85.0 85.1 1800 74.9 83.6 83.0 84.3 84.7 84.8 85.0 85.1 1800 75.8 84.8 85.4 87.0 88.0 88.7 88.8 88.8 1800 75.3 88.6 87.0 88.0 88.7 88.8 88.8 88.8 1800 78.3 88.6 87.0 88.0 88.7 88.8 88.8 88.8 1000 78.3 88.6 99.2 90.2 90.9 91.2 91.6 91.8 88.8 1000 78.3 88.6 99.2 90.2 90.9 91.2 91.6 91.8 89.0 78.8 88.6 91.7 92.6 93.5 95.8 94.8 95.1 800 79.8 91.4 92.6 93.7 95.0 95.3 96.0 96.9 97.2 300 79.8 91.4 93.6 98.1 96.9 97.8 97.8 91.4 93.6 98.1 96.9 97.8 97.8 91.4 93.6 98.1 96.9 97.8 97.8 91.4 93.6 98.1 96.9 97.8 97.8 91.4 93.6 95.1 96.9 97.8 97.8 97.8 97.4 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8		70.3	77.3	78.	00			0	6	79.4	19.4	4.64	19.4	19.4	19.4	79.4	19.4
72.3 79.9 80.9 81.6 81.9 82.1 52.2 82.3 3000 74.3 82.4 81.3 82.3 83.0 84.7 84.8 85.5 83.5 83.7 3000 74.3 82.4 83.0 84.3 84.7 84.8 85.0 85.1 1800 75.8 84.8 85.0 86.7 86.8 86.9 86.9 75.8 84.8 87.0 88.1 86.1 86.5 86.7 86.8 86.9 1300 75.0 87.6 89.2 90.2 90.2 90.9 91.2 91.6 91.8 1300 78.7 89.3 91.4 92.6 93.5 97.8 94.4 94.7 89.8 95.1 89.8 94.4 94.7 70.3 90.1 92.2 93.4 94.7 95.2 95.8 94.4 94.7 70.3 90.1 92.2 93.4 94.7 95.5 96.8 99.1 99.8 300 79.8 91.4 93.6 99.1 96.9 97.8 97.8 91.4 93.6 99.1 96.9 97.8 97.8 91.4 93.6 95.1 96.9 97.8 97.8 91.4 93.6 95.1 96.9 97.8 97.8 91.4 93.6 95.1 96.9 97.8 97.8 91.4 93.6 95.1 96.9 97.8 97.8 97.8 97.4 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8		71.1	78.1	.64	79.7				0	80.3	80.3	80.3	80.3	80.3	80.3		80.3
3500 73.4 81.3 82.3 83.0 83.5 83.5 83.5 83.6 83.7 3500 74.3 82.4 83.0 84.3 84.7 84.8 85.0 85.1 86.0 86.5 86.7 86.8 86.9 2500 75.8 84.8 85.0 86.7 86.8 86.9 1800 75.3 85.4 87.6 89.2 90.9 91.2 91.6 91.8 1300 78.0 87.6 89.2 90.2 90.9 91.2 91.6 91.8 1300 78.0 87.6 89.2 91.6 91.8 91.0 78.3 88.6 91.5 91.6 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8		72.3	19.9	80.	*		04	N	2	82.3	82.3	82.3	82.3	82.3	82.3		82.3
3000 74.3 82.4 83.0 84.3 84.7 84.8 85.0 85.1 2500 74.9 83.6 85.1 86.0 86.5 86.7 86.8 86.9 2200 75.8 84.8 85.4 87.0 88.0 88.1 88.3 88.7 88.8 81.0 75.3 85.4 87.0 88.0 88.7 88.9 89.3 89.3 1200 78.3 88.6 90.5 91.6 91.2 91.2 91.6 91.8 80.0 78.3 88.6 90.5 91.6 92.3 92.5 93.8 94.4 94.7 89.8 94.4 94.7 92.8 93.8 94.4 94.7 92.8 93.8 94.4 94.7 92.8 93.8 94.4 94.7 95.8 95.8 95.8 95.8 95.8 95.1 95.6 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8		73.4	81.3	1	83.		3	3.		83.7	83.7			83.1			83.7
2500 74.9 83.6 85.1 86.0 86.5 86.7 86.8 86.9 1800 75.8 84.8 85.4 87.0 88.0 88.1 88.3 68.7 88.8 89.8 1300 78.3 88.4 87.0 88.0 88.7 88.9 89.3 89.3 1300 78.3 88.6 90.5 91.6 92.3 92.2 91.6 92.3 92.5 93.1 93.3 90.0 79.8 90.1 92.2 91.6 92.3 92.5 93.8 94.4 94.7 92.8 93.1 93.3 92.7 94.0 95.5 96.8 95.1 99.3 90.1 99.4 93.6 95.1 96.9 97.6 98.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 93.6 95.1 96.9 97.8 99.1 99.4	3000	74.3	82.4	83.	*	4	+	1		85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2000 75.8 84.8 56.4 87.4 88.1 88.3 58.7 88.8 1800 76.3 85.4 87.0 88.0 88.7 86.9 89.3 89.3 1300 78.3 88.6 90.5 91.0 91.2 91.2 91.6 91.8 11000 78.3 88.6 90.5 91.6 92.3 92.5 93.1 93.3 90.0 78.3 89.6 91.7 92.8 93.1 93.3 90.0 79.8 90.1 92.2 93.4 94.7 95.2 95.8 95.1 95.1 95.1 90.0 79.8 91.4 93.6 95.1 96.9 97.6 98.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4	2500	14.9	83.6	25	86.0	86.5	36.7		0	86.9	86.9	86.9	6.98		86.9	96.98	86.9
1800 76.3 85.4 87.0 88.0 88.7 88.9 89.3 89.8 1500 78.0 87.6 89.2 90.2 90.9 91.2 91.6 91.8 1000 78.3 88.6 90.5 91.6 92.3 92.6 93.1 93.3 1000 78.7 89.3 91.4 92.6 93.5 93.8 94.6 94.7 900 78.3 89.6 91.4 92.6 93.5 93.8 94.8 95.1 93.3 70. 79.3 90.1 92.2 93.4 94.7 95.2 95.8 96.3 96.1 96.0 79.6 90.9 93.4 94.9 96.3 97.1 98.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4	2000	75.8	84.3	90	1.	8	8		00	88.8	88.8	88.8	88.8		88.8	88.8	88.8
1500 78.0 87.6 89.2 90.2 90.9 91.2 91.6 91.8 1200 78.3 88.6 90.5 91.6 62.3 92.6 93.1 93.3 1900 78.7 89.3 91.4 92.6 93.5 93.8 94.4 94.7 900 79.3 90.1 92.2 93.4 94.7 94.3 94.8 94.8 94.8 95.1 93.3 70. 79.4 90.5 92.7 93.4 94.7 95.2 95.8 95.8 96.1 98.3 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4	1800	76.3	85.4	87.	00	88.7	30		6	89.3	89.3		6	89.3	89.3		89.3
1200 78.3 88.6 90.5 91.6 92.3 92.6 93.1 93.3 1000 78.7 89.3 91.4 92.6 93.5 93.8 94.4 94.7 1000 78.8 89.6 91.7 92.6 93.5 93.8 94.3 94.6 94.7 100 79.3 90.1 92.2 93.4 94.7 95.2 95.8 95.1 95.1 100 79.8 90.1 93.4 94.9 97.5 95.0 96.9 97.2 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4	1500	78.0	87.6	60	0		-	•	-;	:	91.8	91.8	8.16	91.8	91.8	-	91.8
1000 78.7 89.3 91.4 92.6 93.5 93.8 94.4 94.7 800 79.3 90.1 92.2 93.4 94.7 95.2 95.8 94.8 95.1 700 79.3 90.1 92.2 93.4 94.7 95.2 95.8 96.1 700 79.4 90.3 92.7 94.0 95.5 96.3 96.3 96.5 90.0 79.4 90.3 92.7 94.0 95.5 96.0 96.9 97.2 900 79.8 91.4 93.4 94.9 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.1 96.9 97.8 99.1 99.4 93.6 93.6 95.1 96.9 97.8 99.1 99.4 93.6 93.6 95.1 96.9 97.8 99.1 99.4	1200	78.3	88.6	06		2.	8	1	3.	63.3	93.3		63.3	93.3	63.3	93.3	93.3
78.8 89.6 91.7 92.8 93.8 94.3 94.6 95.1 800 79.3 90.1 92.2 93.4 94.7 95.2 95.8 96.1 700 79.4 90.3 92.7 94.0 95.5 96.0 96.9 97.2 800 79.4 90.9 93.1 94.6 96.3 97.1 98.1 98.3 800 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4	1000	78.7		6	·	*	55)	*		24.7	1.56		1.56	4.7	24.7	24.7	94.7
800 79.3 90.1 92.2 93.4 94.7 95.2 95.8 96.1 700 79.4 90.3 92.4 93.7 95.0 95.5 96.3 96.5 800 79.4 90.5 92.7 94.0 95.5 96.0 96.9 97.2 800 79.6 90.9 93.1 94.6 96.3 97.1 98.1 98.3 300 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4 93.6 95.1 96.9 97.8 99.1 99.4	8	78.8		1	2	3.	*	. 4	65.1	95.1	95.1	95.1	95.1	1.56	1.56	95.1	95.1
700 79.3 90.3 92.4 93.7 95.0 95.5 96.3 96.6 500 79.4 90.5 92.7 94.0 95.5 96.0 96.9 97.2 500 79.6 90.9 93.1 94.6 96.3 97.1 98.1 98.3 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.4		79.3		92.	ė	1.46	5.	10	9	96.1	96.1	96.1	1.96	1.96	1.96	96.1	96.1
500 79.4 90.5 92.7 94.0 95.5 96.0 96.9 97. 500 79.6 90.9 93.1 94.6 96.3 97.1 98.8 99. 300 79.8 91.4 93.6 98.1 96.9 97.8 99.1 99. 200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.		79.3	90.3	92.		5	5	. 9	0		96.6	36.0	.0	90.06	96.6	9006	96.6
500 79.6 90.9 93.1 94.6 96.3 97.1 98.8 99. 400 79.7 91.3 93.4 94.9 96.8 97.6 98.8 99. 200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 0 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.		79.4			4	6	9	. 9	7.	97.2	97.3	61.3	61.3	61.3	97.3	97.3	97.3
200 79.8 91.4 93.6 98.1 96.9 97.6 98.8 99. 200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 0 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.		79.6			*	.0		œ	00	98.3	4.86	4.86	7.86	98.4	98.4	98.4	98.4
200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 0 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.		19.7	91.3	•	*	0		20	6	99.1	666	66.3		66.3			66.3
200 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 100 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99. 0 79.8 91.4 93.6 95.1 96.9 97.8 90.1 99.			91.4			0			6		6	6	6	6	6	1.66	99.7
0 79.8 91.4 93.6 95.1 96.9 97.8 99.1 99.			91.4			9			6	4.66	6	6	6		6	0	
0 70.8 91.4 93.6 95.1 96.9 97.8 90.1 99.						0			6		0		6	4.66	0		0000
			91.4	93.6	95.1	6.96	-	1.66		4.66	9.66	8.66	8.66	6	6.66	0.00	000

OO HOURS (L S T .)

Dec

CEILING VERSUS VISIBILITY

T JC T NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 02	۰ ۸۱	۶ ۸۱	4 Al	es Al	≥ 21/2	% Al	۲۱ ۲۲	71	- AI	۸I	¥* ∧I	% Al	≥ 5/16	AI	٨١
		57.7	67.7	1		67.7		7.	7.	-	67.7	67.1			-	67.
≥ 20000		69.7		0	69.7	69.7	69.7	69.7	6	0	69.7	6	0		6	69
		69.7		6	1.69	69.7	69.7	69.7	6		69.7	. 6	6		6	.69
≥ 16000		69.7			6	69.7	1.69	5	1.69	6	6	69.7	69.7	69.7		69
		70,3		0					0	0	70.3	70.3	0		0	70.
12000	71.0	71.6		-	71.6	71.6	71.0	71.6	71.6	-	-	71.6	71.6	71.6	-	71.6
1		78.1			8	40		20		00	œ	8	8		20	
800	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	18	78.1		78.1	78.1	78.1	78.1	78.1
1	80.7			-			-			-	-	-	-	-	-	81.
7000	80.7		81.9	81.9	81.9	-	6.18	-	81.9		-	81.9	-	81.9	-	-
1	81.3	1		3	30	3	3.	3	3						3	
2000	82.6			84.5	84.5		84.5	84.5		. 4	;	*		*	3	84.5
	82.6			ST.	0	9	.0	0	.0	9	0	9	9	9	9	0
1 1 1	83.9			1	87.7	-		•	-	-	-	-	7.	-	1	-
	63.9	1		2		-	00	8	00	8	00	80	8	00	8	8
3000	84.5		87.1	87.7	4.88	4.88	0.68	39.0	0.69	89.0	89.0	89.0	89.0	89.0	89.0	89.0
	5.40			-		30	0	6	6	0	6	6	5	5	5	6
7000	86.5		89.7	0	91.0			91.6	-	-	-	-	:	-	-	-
	86.5	1		90.3	-		-	-		-	-		-	-	-	
1500	4.88			2	93.6	90	3	2.46		*	+	3	*	*	*	;
	0.68			103	4.	4					*		*	94.8	*	
8	80.3			*	95.5	10	96.1	0			9	1.96	1.96	96.1	. 9	96.
	90.3			. 19		in.	.0	0	9	9	96.1	9	0	96.1	9	.96
8	91.6			1.96	•	0	4.16	4.16	4.16	97.4	1.			97.4	-	97.
	91.6	1		.0		90.8	7	4.76			4.16	4.76	4.16	4.1.4	4.16	97.
9	91.6			4.16	1.86	98.1		48.7		8	7.86	98.7	98.7	98.7	98.7	.86
	91.6			9.10		1.96	98.7	1.86			4.66	4.66	4.66	4.66	4.66	66
14	91.6	8.46	8.46		98.1	98.1	98.7	98.7	1.86	7.86	4.66	7.66		4.66	4.66	7.66
	91.6	8. 56		98.1		00	4.66	4.66			0.001	100.0	100.00	100.0	100.00	0.001
200	4 . 6	0 70		25	9	000	4	G	0	c	0		4	000	1	

TOTAL NUMBER OF OBSERVATIONS

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SMOS DIRNAVOCEANMET

93901 STATION

76.1 76.8 76.8

76.1

76.1

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME DALLAS, TEXAS

93901 STATION

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.)

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VISIBILITY (STATUTE MILES) ۲ ۱۸

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CEILING

(FEET)

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76.8 76.8 72.9 76.1 72.9 76.8 79.4 76.1 76.8 80.0 78.7 80.0 4.61 76.8 78.7

19.4 76.8 78.7 78.7 19.4 81.9 80.0 80.7 81.9 80.7 84.5 84.5 84.5 84.5

80.0

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19.4 80.7 80.0 81.9 80.0 84.5 84.5 88.4 88.4 80.7

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88.4 88.4 88.4

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6006

80

96.8

95.5

98.7

98.7

98.7

4.66 4.66

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TOTAL NUMBER OF OBSERVATIONS

155

SMOS

DIRNAVOCEANMET

0000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

100	MINOM	90	HOURS (L S T)
73-77	YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
DALLAS, TEXAS	STATION NAME	PERCENTAGE P	(FROM H
93901	STATION		

52.3 52.3 52.3 52.3 52.3 52.3 52.3 52.3	CEILING (FEET)	5	δ Al	\$2 A1	\ \d	۳ ۸	2 2%	Al	BILITY (STA	JE /	٨١	۸۱ ۲۰	*	% AI			0 1
20000 50.3 52.3 53.0 53.0 53.0 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2	O CEILING		51.0				3	5.	Š.	5	2.	•	5.	5.	5.	2.	52.9
18000 50.3 52.3 53.6 54.8 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2	≥ 20000		52.3		50	*	*	. 4	3	*	. 4	4		5	. 4	4	
10,000 50.3 52.3 53.6 53.6 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.8			52.3		4	•	. 47	*		*			4.	*		•	•
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10000 54 6 56 56 56 15 56 1 56 1 56 1 56 1 56			52.3				0 47		*		*		*		*	4 .	
10000 24 8 56 8 56 1 56 1 56 1 58 7 58 7 58 7 58 7 58 7 58 7 58 7 58			53.6		*	5	3		5	'n	50	5	5	9		9	
9000 54.8 56.8 58.1 58.1 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7	1		56.8		20		7.80	0	00		1	Œ	0		59.4	5	
8000 66.0 61.9 63.2 63.2 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9			56.		* ED	00		00	8	3		00	8	0	0	6	
7000 60.7 63.2 64.5 64.5 64.5 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65	1		61.			3	63.9	15	3	3	3.	177	3	64.5		3	
63.00 60.7 63.2 64.5 64.5 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65			63.			5	6	151	3	5	5	ŝ	2	2	50	3	5
5300 65.9 66.5 67.7 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	1		63		-2	5.	10	5	5	i	5	5	5		5	5	2
4300 64.5 67.7 69.4 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0			.99		1	20	00		8	8	8	00	8	0	0	9	9
2300 64.5 67.7 69.7 77.3 71.0 <th< th=""><th>1</th><th></th><th>66.</th><th>1.19</th><th></th><th></th><th>Q"</th><th>0</th><th>6</th><th>0</th><th>0</th><th>6</th><th>6</th><th>0</th><th>0</th><th>0</th><th>9</th></th<>	1		66.	1.19			Q"	0	6	0	0	6	6	0	0	0	9
3500 66.5 71.0 74.2 74.8 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75			67		0				4		-	-	-		•		
3500 66.5 71.0 74.2 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 76.1 76.2 76.2 76.2 86.5 <th< th=""><th></th><th></th><th>67</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>N</th><th></th><th>N</th></th<>			67												N		N
2500 67-1 71-6 74-8 75-5 76-1 76-1 76-1 76-1 76-1 76-1 76-1 76-1		66.5	71.				5					•			0	76.1	76.1
2000 67.7 72.9 76.1 76.8 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77		67.1	71.				1.91				76.1	76.1			76.8	76.8	0
1800 66.4 73.6 76.8 77.4 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1		67.7	72.				77.4		7	•			•		78.1	78.1	8
1500 72.9 78.7 82.6 83.2 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9		4.89	13.					78.1	78.1		78.1			78.7	78.7		
76.2 80.0 85.2 85.6 86.5 86.5 86.5 86.5 86.5 86.5 86.5		72.9	78.7	•	00	10	100	50	3			CO	*		•	4	84.5
1000 75.5 81.9 87.1 87.7 88.4 88.4 88.4 88.4 88.4 88.4 88.4		74.2	80.0		5	. 9	0	0	. 0			9		-	87.1	-	-
75.5 81.9 87.1 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 89.0 <th< th=""><th></th><th>75.5</th><th>61.6</th><th>•</th><th>-</th><th></th><th>33</th><th>8</th><th>œ</th><th>00</th><th>8</th><th>8</th><th>8</th><th>•</th><th></th><th>0</th><th>0</th></th<>		75.5	61.6	•	-		33	8	œ	00	8	8	8	•		0	0
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700 76.8 86.5 91.6 93.6 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2		75.5	83.2	•	ċ	-	-	-	1	•	-	-	÷		-	-	-
500 77.4 87.7 92.9 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.6 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 98.1 98.1 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 98.1 98.1 98.1 98.1 98.1 98.7		6.9	86.5	•	60	4	. 4	2	*	4		*	. 4	*	. 4	94.8	4
500 76.1 89.0 94.2 96.8 96.8 97.4 98.7		77.4	87.7	•	*	5	5	•	3	5		•	5	0	0	0	0
78-1 89-7 94-8 96-8 97-4 97-4 98-1 98-1 98-1 98-1 98-1 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7		78.1	89.0		0	9	9						-		00	3	8
200 78-1 89-7 94-8 96-8 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 99-4 99-4 99-4 99-4 99-6 200 78-1 89-7 94-8 96-8 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 98-7 99-4 99-4 99-4 99-4 99-4 99-4 99-4 99			89.7	•	0	-	-	32		00		00			9	0	30
200 78-1 89-7 94-8 96-8 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 98-7 99-4 99-4 99-4 99-6 99-6 99-6 99-6 99-6			89.7		.0	50	80			8		0			0	0	0
100 78-1 89-7 94-8 96-8 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 99-4 99-4100-0100- 0 78-1 89-7 94-8 96-8 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 99-4 99-4100-0100-			89.7	•	0	20	\$0	60		22		00	œ		6	6	0
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			89.7		0	20	82		*	*		00		6	5.6	000	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PFRCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

0.0 HOURS (1.5.1.) UC T

9480

2.0 3.0 3.0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th>							1					-					
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5.5 50.1 56.8 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4	2.2			24		2	2.	2	24	24	2	N	23	2 4		52.9	52
5.5 56.1 56.8 57.4	2	2 00	5 0	0				0			7						
8.1 36.1 56.4 57.5 57.5	2	u.	W.	56.1		57.4	1	-	57.4	7	-	-	57.4	1		57.4	57
8.1 38.7 39.4 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60	~		12	56.1		7		57.4	57.4	7.	57.4		57.4		57.4	57.4	23
1.9 52.6 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	2		OC.	58.7	0	0	•	0	0.09	0	.09	0	0	0		0.09	09
3.2 63.9 65.7 65.8 05.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 6	-		-	~		*	*	. 4		*	64.	. 4	. 4	*	4 .	64.5	64
7.7 68.4 59.7 71.0 3 70.3 70.3 70.3 70.3 70.3 70.3 70.3	0		3				10	5		5	5	3	5	5		65.8	65
9.0 69.7 71.0 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6			-			-	70.3		70.3				70.3		70.3	70.3	20.
9.0 69.7 71.0 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6			0	69.7	71.0		71.6		-			-			71.6	71.6	7
1.6 73.6 74.8 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75	0	4	6	1.69	71.0		71.6	71.6	71.6			71.6			71.6	71.6	71.
1.6 73.6 74.8 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75					74.8		•		5	5		50			75.5	75.5	75
72.3 74.2 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75	-	1	-		74.8		75.5		75.5			10		5	78.5	75.5	75.
2.3 74.2 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1	-		-						75.9			5		3	75.5	75.5	75
2.3 74.2 76.1 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8	200	1	2	74.2				76.1	76.1		76.1		76.1	9	76.1	76.1	76.
5.5 77.4 79.4 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80	-		TV.						.0	0		.9			76.8	76.8	76
5.5 77.4 79.4 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80	20	1	12	77.4		0	•	0	0	0	0	0	0	0		80.0	80
9.4 81.3 83.2 53.9 63.9 53.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 8			4		0	·	0		0	0	0	0	0	0	0	80.0	80
2.6 85.8 88.4 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0		1	100	81.3				3.		3	19	3	*	3			83
3.9 37.1 90.3 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0			CV		00			6		0.	0	•	6	0		89.0	89
85.2 88.4 92.3 92.9 92.9 92.9 92.9 92.9 92.9 92.9	3.9	-	55	87.1	90.3			-		-	91.0	-	91.0	-	91.0	91.0	91
85.2 88.4 92.3 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93	9.0	_	4	87.7	91.6			2		2	2	5	2	3		95.9	92
85.8 89.7 93.6 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8	4.5	-	5	00	92.3	3.				3	3.			503		93.6	63
85.8 89.7 93.6 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8		-	W.	0	*			. 4		5	*		4	5		8.46	56
85.8 90.3 95.5 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4		-	œ.	89.7	1/22	. 4	. 44	. 4		4	. 4	4	8.46		94.8	94.8	96
5.8 90.3 95.5 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4			5						0	0		. 9		0		8.96	96
85.8 90.3 95.5 97.4 97.4 97.4 97.4 97.4 98.1 99.4 99.4 99.4 99.8 85.8 90.3 95.5 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4		-	5	90.3	98.8		4.16	-	4.16	7.		1.	4.16		4.16	4.16	67.
5.8 90.3 95.5 97.4 97.4 97.4 97.4 97.4 98.1 98.7100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.1 98.7100.0100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100			5	•					4.76	7	00	6		6		4.66	66
5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100		-	5	6.06		97.4	4.6	97.4	97.4	. 1		0	4.66	5	4.66	4.66	66
5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.1 98.7100.0100.0100.0100 5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.7100.0100.0100.0100			v.				97.4	40	œ.	2	CC		c	00	100.0	100.0	100
5.8 90.3 95.5 97.4 97.4 98.1 98.1 98.1 98.7100.0100.0100.0100		-	5	90.3		4.16		98.1		00				0	0	100.0	00
			5			4.16	4.76	98.1					0	0		0.001	001

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.2 HOURS (1.5.T.) DC T

200

	٥	18.1	2.6	95.20	9.20	9.2	5.5	2.3	5.9	3.6	2.4	5.5	18.1	18.7	4.6	5.6	82.8	0.68	91.6	3.6	8 . 4	5.5		4.2		7.8		18.7	7.60	0.00			0.0
	<u>ν</u>	8.1 5	2.6 6		2.6 6	2.6 6	5.2 6		•	3.6	4.2 7	5.5	8	8.7 7	4.6	1 4.6	5.8	0		3.6	4.8 9	5.5	6 8 9	6 4.	8.1 9	8.7 9	8.7 9	8.79	6 4.6	0.010	•	0.010	0.010
	\$/16		9 9.	•	9 9.	9 90	5.2 6	•	1 6.3	3.6 7	1.2 7	5.5 7	.17	.7 7	.4.7	1 4.	88	0.0	6 9.	6 9.	. 8		æ	6 4.		.7	.7 9	.7 9	6 5.6	010.	0	010.	010.
	٨١	.1 58	6 62	9	6 62	6 62	2 65		9 72	6 13	2 74	5 75	-	7 78	4 79	-	8 85	68 0.	.6 91	6 63	3	3	8 86	6 4.	1 98	7 98	7 98	7 98	66 5	0010.	-		010
	VI %	8	6 62	6 62		6 62	2 65		72.	-	2 74.	5 75.			4 79.	_	8 85	On	-	93	4	56	0	-		96 /	98		66 4	0	0010		100
	*	58.	•	62.0	•	62.1			72.			15.5		78.		6			91.6	93.6	34.8	3	. 9		28.		98.		•	0	1001	1000	100
	λ. VI		2		2		65.2		•	73.6	74.2	75.5		78.7		0	85.8	89.0	9116	93.6	94.8	130	0						4.66	•	0.00	•	0000
S)	- AI	58.1	62.6	2.	62.6	62.6	65.2	72.3	72.9	13.6	74.2	75.5	78.1	78.7	19.4	79.4	85.8	89.0	9116	93.6	8.46	6.56	8.96	4.16		7.86	7.86	7.86	4.66	0.00	0.00	•	00.00
VISIBILITY (STATUTE MILES)	7 1	58.1	9.29		9.39	62.6	5		72.9	13.6	74.2	15.5	78.1	78.7	4.64	79.4	85.8	89.0		0	. 5		8.96	4.16							00.00	0	10.00
IILITY (STA	٧١ ٧٧	58.1	65.5	62.6	62.6	62.6	65.5	72.3	72.9	73.6	74.2	15.5	78.1	78.7	79.4		85.8	0.68	91.6	93.6	8. 76	62.6	8.96	91.4	1.86	7.86	48.3	98.7	4.66	00.00	00.00	00.00	00.00
VISIB	7	58.1	62.6	62.6	9.29	9.29	65.2		72.9	73.6	74.2	75.5	78.1	78.7	4.61	79.4	•		•	93.6	8. 56	95.5	96.8	4.16	1.86	7.86	1.86	7.86	4.66	14.66	90.61	14.66	90.65
	> 21/2	58.1	62.6	9.29	9.29	62.6	65.2		72.9	3.0	74.2	6.5	78.1	78.7	19.4	0	35.00	0.68	91.6	93.6	94.2	8. 46	96.1		4.16	28.1	1.86	98.1	98.7	7.86	98.7	7.86	200
	۳ ۸۱	58.1	62.6	•	9.29	9.29	65.2	72.3	12.9	73.0	74.2	75.5	78.1	78.7	4.64	4.64	85.8	0.68	91.6	93.6	94.2	9.46	•	8.96	4.16	1.86	1.86	98.1	7.86	1.86	48.7	7.86	08.7
	4	58.1	62.6	62.6	•	62.6	65.2	72.3	72.9	13.6	74.2	15.5	78.1	78.7	4.61	19.4	88.3	0.68	91.0	93.6	94.2	2.46	98.5	1.96	8.96	7.6	9.16	4.16	9.16	4.16	4.16	9.16	4.1.4
	νο Λ1	58.1	62.6		9.79		2.69			6.21	73.6	74.8	77.4	78.1	78.7	•	84.5		6006		6.26				95.5		1.96		1.96	1.96	96.1	1.96	1.96
	۰ ۸۱	4.		6.	1.0	0	60	0	9.	(4)	0	~	76.8					1	80.7	1													
	5	e. +	4.6	4.	4.6	\$		5.8	66.39	57	67.1	~	~	~	C	0	75.5		+	. 1	~	0.1	-	6.	1.9	0	6.1	0.	3.0	6.1	6.	6.	6
CEILING	(FEET)	CEILING		18000	≥ 16000	14000	2 12000	10000	0006 1	8000	000	0009	2000	4500	4000	3500	3000	2500	5000	1800	1500	1200	0001 <	006	008	700	00	200	V 400	300	1 200	8 4	0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.5 HOURS (1.5.7.) LC T

2

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	۸۱ 5	9 11	ss Al	4	ε Al	1 2%	1 2	٧١ % کا	71 71	- AI	% AI	* 1	VI Z	≥ 5/16	VI	0 11
NO CEILING	50.7	67.1	67.1	67.1	67.1	60.7	67.1	67.1	67.1	67.1	67.3	67.1	67.1	67.1	67.1	67.1
VI VI 00061	56.5	67.1		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
Y 14000	70.3	67.7	67.7	67.7	67.7	67.7	101.1	7.10	67.7	67.7	71.0	71.0	71.0	7.10	71.7	7.10
	74.2	75.5		75.5	75.5	75.5		75.5	75.5	25.50			75.5	75.5		75.5
1	121	76.8	76.8				76.8				10			76.8		76.8
1	76.1				78.1	7.8.1 81.9			00		00 -		78.1		78.1	78.1
	79.4	200		82.0	82.0		NE	NI	Nin		2 15		Nin			82.6
3000		885	8 5 5 8 8 5 8 8 5 8 8 8 9 8 9 8 9 8 9 8	87.7	87.7	87.7		87.7		87.7	87.7	87.7	90.3	87.7	90.3	87.7
Y 1 2000	87.1	1	93.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
VI VI 0081 0081	89.7	93.	94.8	96.1	96.1	96.1	00	000	00	96.1	90.06		96.1	96.1		96.1
1200 1000	69.7	8.46	95.5	4.76	4.76	4.7.6	97.4	97.4	97.4	97.4	97.4	97.4		97.4	97.4	97.4
8 %	90.3	95.5	96.1	99.4	99.4	98.1	96.1	99.4	98.1	99.4	4.66	99.4	98.1	98.1	98.1	98.1
VI VI 800	90.3		97.4	4.66	4.66				4.66	4.66		4.66	000	4.66		
VIVI 400	90.3	96.1	97.4	99.4	99.4	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	99.4	4.66	4.66
38 38 18 18	90.3	96.1	97.4	99.4	4.66	4 66	0.000	100.00	100.001	0.001	0.00	00.00	0.001	0000	0.001	0.00
80	90.3	96.1	97.4	4.66	4.66	4.00	0.001	100.001	100.001	0.00	0000	100.00	00.00	100.0	0.001	0.00

93901 STATION

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUE (FROM HOURLY

DC T

NGE	
CCURRENCI	NS)
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9	ERV
ENCY	OBSERV
i	

18 HOURS (1 S T)

VISIBILITY (STATUTE MILES)	6 Y 5 Y 4 Y 3 Y 2 Y 3 Y 1 Y 1 Y 1 Y 1 Y 1 Y 1 Y 1 Y 1 Y 1	04	6 73.6 73.6 73.6 73.6 73.6 73.6 73.6 73.	2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.	.1 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8	9 83.	2 85.8 86.5 86.5 86.5 86.5 86.5 86.5 86.5	2 85.8 86.5 86.5 86.5 86.5 86.5 86.5 86.5	.2 83.8 86.3 87.7 88.4 88.4 88.4 88.4 88.4 88.4 88.4	.5 87.1 87.7 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0	37.7 88.4 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7	.4 89.0 89.7 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0	.3 91.0 92.3 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93	.6 93.6 94.8 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1	.6 93.6 94.8 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1	.9 94.8 96.1 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4	.9 94.8 96.1 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4	00	2 95-1 97-4 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7	8 96.8 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	8 96.8 98.1 99.4 79.4 99.6 97.6 77.4 99.4 77.4 77.4 77.4 77.4 77.4 77.4	-8 96.8 98.1 99.4 99.41.0.0100.0100.0100.0100.0100.0100.01	.8 96.8 98.1 99.4 99.4 00.0100.0100.0100.0100.0100.0100.0100	1
	VI VI W	3.6 73.6 72.	3.6 73.6 73	4.2 74.2 74.2 7	6.8 76.8 76.8 7	3.2 83.2 83.2 8	5.8 86.5 86.5 8	5.8 86.5 86.5	7.1 87.7 88.4 8	7.1 87.7 89.0 8	7.7 88.4 89.7 8	9.0 89.7 91.0 9	1.0 92.3 93.6 9	3.6 94.8 96.1 9	3.6 94.8 96.1 9	4.8 96.1 97.	4.8 96.1 97.4 9	4.8 96.1 97.4	6.1 97.4 98.7 9	6 98.1 99.4 9	2 00 1 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.8 98.1 99.4 9	6.8 98.1 99.4 9	0 7 00 1 00 0 40
CEILING	(FEET) > 10 > 6	8.4 69.0	18000 71.6 73.6	14000 72.3 74.2	4.2 76.1		8000 83.2 85.2	.2 85.2	v v	4500 84.5 86.5	87.1		2500 87.1 90.3	91.6	7 1800 689.4 91.6 7 1500 89.7 99.9	89.7 92.9	6.26 1.6	60	700 90.3 94.2	90.3 94.8	200	300 90.3 94.8	0.3 94.8	

200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

STATION NAME

DALLAS, TEXAS

93901

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (LST) DC T

CEILING (FEET)								BILITY (STA		_ 1						
	0 1	9 11	\$ 41	AI	۸I	≥ 21⁄2	1 2	۲۱ کا ۱۳	71 7	AI	% AI	* Al	Z	≥ 5/16	7. Al	٥
O CEILING	4.37	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6				73.6	73.6
≥ 20000	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7		78.7	78.7	•	78.7
	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	78.7	19.4	90.0	80.0	80.0	80.0	0.08	80.0	80.0	80.0	80.0	0	80.0	80.0	80.0	60.0
	6.4.0		35.8	85.8	85.8	85.00	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
000	6.80	85.2	85.8	85,8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1	86.5	87.7	4.88		88.4	88.4	38.4	4.88	88.4	88.4	88.4	88.4	98.4	88.4	88.4	88.4
7000	80.5	88.4	0.68	0.68	0.68	89.0	89.0	89.0	89.0	0.68	89.0	0.68	89.0	0.68	89.0	89.0
1	87.1	89.0	89.7	6	2.68	1.68	89.7	89.7	2.68	2.68	2.68	6	89.7	89.7	89.7	89.7
2000		91.0		91.6	91.6	91.6		91.6	91.6	91.6	91.6	91.6	97.6	91.6	9116	91.6
1	*	91.0		91.6	91.6	91.0	9.16	91.6	91.6	9116	91.6	91.6	91.6	91.6	91.6	91.6
1 1	5	91.0	.16	91.0		91.6	91.0	91.6	•	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1	4	0.16		91.6	91.6	91.6		91.6	91.6	91.6	91.6	91.6	9116	91.6	91.6	91.6
3000	4.8.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6		91.6
1	89.7			93.6	93.6	93.6		93.6	93.6	93.6	93.6	93.6		93.6	93.6	93.6
200	90.3	65.6	94.2	95.5	95.5	95.5	95.5	69.6	95.5	6.56	95.5	62.5	95.5	95.5	95.5	95.5
1	90.3	6.26		5.56	95.5	95.5		95.5	95.5	95.5	98.5	95.5	95.5	95.5	95.5	95.5
1 1 200	90.3	93.6		96.1	96.1	96.1		96.8		4.16	4.16	4.16	4.16	4.16	4.16	4.16
1	91.0	. 46	1.96	4.46	4.16	4.16	1.86	98.1	98.1	7.86	98.7	2.86	7.86	98.7	48.7	48.7
1000	91.6			98.1	98.1	98.1	7.86	98.7	7.86	4.06	4.66	4.66	4.66	4.66	5.66	\$. 66
	91.6	.56	90.6	98.1	1.86	98.1	98.7	98.7	7.86	7.66	4.66	4.66	4.66	4.66	4.66	4.66
800	91.6	95.5	9.96	98.1	98.1	98.1	7.86	68.7	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	916	95.5	96.8	1.86	98.7	98.7	4.66	4.66	14.66	00.00	00.00	00.00	00.00	0.00	10.00	0.00
8	91.6	98.5	96.8	1.86	98.7	500	4.66	5.66	14.66	00.00	00.00	00.00	00.00	0.00	10000	0.00
	91.6		96.8	1.86	98.7	98.7	4.66	7.66	4.66	00.00	00.00	00.00	00.00	0.00	10.00	0.00
400	91.6		90.8	98.1	7.86	7.86	5.66	3.66	46.66	00.00	00.00	00.00	00.00	0000	00.00	0.00
	9.16	98.5	90.8	1.86	98.7	7.86	4.66			00.00	10.00	00.00	00.00	00.00	10.00	0.00
700	91.6	10	90.8		98.7	98.7	4.66			00.00	00.00		00.00			
8	91.6	95.5	36.8				0	0	14.66	·	0	0	0	0		
	91.6	98.5	30.8	98.1	98.7	78.	39.4	3.66		00.00	00.00	00.00	00.00	0.00	0000	0.00

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

ALL HOURS (LST.) DC T

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) DALLAS, TEXAS

CEILING							SI A	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 5	۰ ۸۱	\$6 AI	4	ε Al	≥ 2%	N Al	N1 Y	¥1 YI	- Al	% AI	*	VI Z	≥ 5/16	N N	٥
NO CEILING	0 0	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1 18000	2.69	63.6	90 4	1.99	9		0 .	66.2				66.2	0	0	0	04
	63.6	-	0000	666.3	66.5	0 0	666.5	666.5				666.5	0		66.5	66.5
1 7 1 2000	63.2		68.	4.00		100	00	68.6	00	60	68.6	68.6		•		68.6
Z 10000	69.7	i		73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8				73.9
	70.0	- 1		74.	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	14.2	14.2	74.2	74.2
0008	72.7		76.	6.91		17.1		77.1			77.1	77.1	77.2	77.2	77.2	77.2
- 1	13.2	1		77.7		17.0	17.0	28.77	77.8	71.8	0.11	78.6	78 8	7 6	78.8	1103
00 00 00 00 00 00 00 00	200			0 00	000	0 0	0 0	80.0	0.08	000	080	80.9	81.0	0	81.0	81.0
	15.6		80.			-	-	1		1	81.5	81.5	-	-	-4	81.6
1 1 1	76.3	80.7	81.		82.6	82.6	. •	82.6	82.6	N	82.6	82.6		82.7	82.7	82.7
	76.6	1_	60	82.7	83.1	63.1	83.2	83.2	83.2	83.2	33.2		83.3	83.3	83.3	83.3
3000	78.0	-	83.8	84.7	85.1	65.1	•	85.2	85.2	85.2	85.2	85.2		85.3	85.3	85.3
	19.0	1		86.6	87.0	87.0	87.2	87.3	87.3	87.3	87.3			87.3	87.3	87.3
7 2000	80.4			6.88	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5	9.68	89.6	89.6	89.6
	61.1			89.9	6006	90.3	6.06			9006						
1500	82.7		91.1	92.3	92.7	~	93.1	93.2	93.2	93.2	3.5		93.3	63.3		93.3
	83.2			93.4	63.6	3	3.46	6.46		4.46	4.46	4.46		4.46		4.46
141	83.6		0	94.3	8.46	8.46	95.2	95.2	95.5	95.3	65.3	95.3		4.56	45.4	45.4
	83.9			5.76	95.1	5	4.56	65.5	95.5	92.6	92.6	92.6		95.7	65.1	95.7
008 AI	64.3			2.86	6.96	86.3	9.96	69.7	96.7	8.96		8.96	6.06	6.96		6.96
	84.5			4.96	97.0	97.0	97.3	4.16	4.16	97.5		5.16		91.6	91.6	91.6
009	84.7		05.1	97.1	97.8	97.8	98.2	98.5		98.3	98.3	98.3	4.86	8		48.4
	8.48	93.5	4.80	4.16	98.2	98.2	9.86	98.6	98.6	98.7	8.86	98.8			98.9	6.86
VI 400	84.8	-	95.5	97.5	98.3	98.3	98.8	6.86	98.9	0.66	66.3	66.3		40.66	4.66	4.66
	34.8		0	91.6	98.6	8	1.66	66.8	66.3	4.66	2.66	4.66		6	8.66	9.66
7 200	84.8	93.6	9.56	91.6	98.6	98.6	3.66	4.66	4.66	66.8	8.66	8.66	9.66	99.8	8.66	99.8
71	84.8	6.6	95.6	9.16	98.6	98.6	2.66	7.66	4.66	66.8	8.66	8.66		8.66	0.00	0.001
٨١	84.8	93.6	9.56	9.16	98.6	96.6	2.66	63.4	9.66	66.8	8.66	8.66	8.66	99.8	0000	0.001

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

3226

93901 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

1556

18

NON

				PERCEI (PERCENTAGE (FROM		UENC LY OB	FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS)	CCUR	RENCI	ш				00 HOURS (1.5 T	Î.
CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(53)						
(FEET)	VI 5	۰ ۸۱	۸I	4	ε Al	≥ 2%	71	۷۱ ۲۵	VI 71	- AI	% AI	*	VI VI	≥ 5/16	 M	0 11
NO CEILING	62.7	63.3		63.3	64.0	0.40	0.39	0.49	0.49	0.49	64.0	0.49	0.49	0.49	0.40	0.49
> 20000	0.99	54.7	64.7	64.7	65.3	68.3		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	0.49	64.7		64.7	65.3	68.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
16000	0.49		64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	0.49	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	68.3	65.3	65.3	65.3	65.3
12000	64.7	65.3	65.3	65.3		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	0.99	67.3	67.3	67.3	68.0	0.89	0.39	0.80	0.89	0.89	68.0	0.89	68.0	0.89	0.89	0.89
000	0.99	67.3	67.3	67.3	68.0	0.89	68.0	0.89	0.89	68.0	68.0	0.89	0.99	0.89	0.89	68.0
1	67.3	68.7	68.7	68.7	69.3	6.89	69.3	69.3	69.3	69.3	69.3	6.69	69.3	69.3	69.3	69.3
141	68.0	69.3	69.3	69,3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
i .	69.3	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2006	72.0	73.3	73.3		74.0	74.0	74.0	24.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
	73.3	74.7	74.7	74.7	75.3	15.3	75.3	75.3		75.3	75.3	75.3	75.3	75.3	75.3	75.3
141	73.3	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
	75.3	76.7	70.7	76.7	77.3	17.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3000	76.7	78.0		78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	78.7	80.0	1	80.0	80.7	200	80.7	60.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
7000	81.3	82.7	00	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	92.0	83.3	1	83.3	0.40	84.0	84.0	0.48	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1500	84.7	86.0		0.98	86.7	86.7	66.7	86.7	86.7	86.7	86.7	96.7	86.7	86.7	86.7	86.7
	86.7	88.0		88.0	68.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1000	88.7	0.06		0.06	40.1	00	60.7	40.7	40.1	2006	40.1	2.06	2.06	40.1	2.06	40.1
		91.3		6116	92.0	92.0	92.0	95.0	95.0	92.0	95.0	95.0	95.0	95.0	92.0	95.0
8	0	92.0		92.0	92.7	92.7	92.7	65.3	7.26	92.7	92.7	92.7	92.7	92.7	92.7	92.7
	91.3	93.3	1	93.3	0.46	0.96	1.96	24.7	4.7	64.7	1.46	24.7	64.7	4.1	24.7	4.7
8	92.0	0.76	3	7.46	0.96	0	2.96	40.7	4.96	2.96	1.96	2.96	1.96	7.96	1.96	46.7
	92.0	0.46	94.7	94.7	0.96	0.96	6.7	1.96	1.96	7.96	2.96	4.96	6.7	96.7	1.96	96.7
400	92.0	94.7	0	0.96	0.86	0.86	7.86	48.7	2.36	7.86	7.86	48.7	98.7	98.7	48.7	98.7
	0.76	64.7	13r	0.96	0.86	0.86	98.7	1.86	48.7	7.86	98.7	28.1	7.86	98.7	98.7	98.7
700	92.0	24.7	0	0.96	98.0	0.86	7.86	98.1	68.7	7.86	8.66	66.3	66.3	10000	00.00	0.00
8	0.26		95.3	0.96	0.86	0.86	68.7	68.7	48.7		66.3		66.3	0	0.0010	0.00
٨١	92.0	24.7	95.3	96.0	98.0	98.0	98.7	7.86	1.86	98.7	6.66	86.3	88.3	0000	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

150

000

61.3

61.3

60.7 58.7

62.0 0.49

0.29 0.49

62.0

62.0

62.0

62.0

62.0

62.0 0.49

62.0 60.7 58.

62.0

62.0 0.49

62.0

61.3

5000

AI AI

0.49

64.7

64.0

62.0

4500 4000

2000

ALAI

3000

1800

AI AI

1200

AI AI

808

88

AI AI

200

AI AI

300

AI AI

80

64.0

1.09 58.7

50.7 60.7 60.7

60.7

60.7

60.7

60.7

58.7 0.09 61.3

8000 7000

58.

58.7 50.7

58.7 55.3

58.7

58.7

58.7

55.3

55.3

55.3

0.49

0.49

0.49

0.49

64.7

59.3

64.7

65.3 54.7

56.0 59.3

26.0

56.0

0.95

55.3 55.3

55.3

55.3

55.3

55.3 58.7

55.3

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55.3

55.3 55.3

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55.3

55.3

34.

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000 000 000

AI AI

55.3

55.3

58.3

54.7

53.3

58.0 60.00

55.3 58.7 60.7

55.3

1000

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S T) NON

54.0 54.0 54.0 54.7 ٨١ 54.0 24.0 24.0 24.0 54.7 ۸۱ 53.3 54.0 53.3 53.3 53.3 2 5/16 53.3 54.0 53.3 53.3 ۸۱ 53.3 54.0 53.3 53.3 53.3 ۸۱ 53.3 53.3 53.3 54.0 ۸۱ 53.3 53.3 53.3 53.3 54.0 54.0 VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 53.3 53.3 53.3 VI 7. 53.3 53.3 53.3 54.0 53.3 54.0 53.3 53.3 54.0 53.3 53.3 53.3 53.3 24.0 53.3 53.3 ۳ ۱۸ 53.3 53.3 53,3 54.0 ٨١ 53.3 24.0 53.3 53.3 ٨١ 53.3 52.7 52.7 52.7 52.7 ٨١ 52.0 52.0 52.0 ≥ 20000 (FEET) VI VI 00091 VI 000091 Y 14000

1	0.99	67.3		74.0	78.7	79.3	84.0	86.0	88.7	0.06	93.3	93.3	0.46	95.3	0.96	97.3	8.66	99.3	0.00
	0.99	67.3		0.4/	78.7	19.3	0.48		88.7	0.06	93.3	93.3	0.46	95.3	0.96	81.3	66.3	6. 66	99.31
		6.7	71.3	3.3	8.0	8.7	3.3	5.3	8.0	6.3		2.7	3.3	4.7	177	6.7	8.7	.7	. 1
	5.3	6.7	1.3		0	2.7	3.3	5.3	6.0	m.	2.7	2.7	3.3	4.7	5.3	6.7	8.7		8.7
	5.3 6		1.3 7			8 . 7	3.3 8	5.3	8	6.6	2.7	2.7 9	3.3	6 1.4	5.3	•	. 7	8.7 9	8.7 9
	5.3 6		· .	3.3 7	8.0 7		3.3	٠,	0	.3	.79	6 1.	.3	6 1.	.3 9	6 /.	8.7 9	8.7.9	.7
-	3	.7 6	.3 7	.3	.0 7	.7 7	30	80	8 0.	.3	.7	. 7 9	.3	6 4.	.30	.79	.7 9	6	.7 9
	3 65	9		-	0 78	7 78	3 83	.3 85		ග	.7 92	0		9		.7 96	7 98	36 1.	7 98
	3 65	7 66.		3 73	0 78			3 65	88	30	7 92.	6	0	2		7 96.	36 1	7 98	7 98.
	65.	0	71.	-	78.		83.	85.	88.	œ	. 35.	. 35.	93.	. 96	. 66	. 96		. 98	98
	65.3	.9	71.3	73.3	78.0	78.7	83.3	85.3	88.0	0	92.7		93.3		95.3	96.7	98.0	0.86	98.0
	65.3		71.3		78.0		83.3	85.3	88.0	6	92.0	92.0	92.7	94.0	94.7	95.3	96.0	96.0	96.0
	65.3	9	71.3	73.3	78.0	78.7	83.3	85.3	88.0	89.3	0.26		62.7	+	1.46	6.50	0.96	0.96	0.96
	5.3	1.9	71.3		0.87		13.3	85.3	0.88	89.3			7.26	0.46	7. 46	95.3	5.3	8.3	16.3
-	5.3 6	1.	3	3.3		1.	.3	•	0	.3	0	0	. 7	0		1.		6 1.4	4.7
7	1	0	-	1	19	0	1	~	3	1	M	50	0	(1)	(5)	1	3.3 94	100	m
2	1	0	1	a	0	1	1	-	2	0	-	1	10	~	1	-	7	-	.7 93.
**	0	64	6.8	0	74	74	76	78	90	00	3	8	80	93	86	86	80	90	86

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

73-77

00 HOURS (1 S T)

2

NON HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	VI 02	۰ ۸۱	ss Al	4	es Al	≥ 2%	7 1	۷۱ ۲۷	YI XI	_ _ _	% Al	*	% Al	≥ 5/16	NI NI	0 11
NO CEILING	00 1	6.64	20.0	0	50.7		50.7	0	o	0	0					50.7
20002	0	49.3	•	ċ	20.1		50.7		20.1	50.7	50.1				200	200
00081	48.7	0.0		ċ	50.7				•				50.7	50.7	50.7	50.7
	•	6.63	•	•	.00	300	20.1	•	200		30.				-00	200
≥ 14000	40.7	49.3	20.0	20.0	50.7	200	50.7	50.7	50.7	50.7	20.1	20.7	20.1	200	50.7	50.7
≥ 12000	48.7	6.65	20.0	50.0	50.7	50.7	50.7	50.7	20.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7
2.0	51.3	52.0	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
0006	51.3	52.0	52.7	52.7	53.3	53.3	53.3	53.8	•			53.3	53.3	53.3	53.3	53.3
	54.7	55.3	0.95	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
7000	55.3	50		9	57.3	57.3		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
	56.7	57	58.0	58.0	58.7	58.	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2000	58.0			0.09	60.7	60.7	60.7	60.7	60.7	2.09	60.7	2.09	60.7	60.7	1.09	60.7
	59.3	1	61.3	61.3	62.0	62.0	62.0	0.29	62.0	62.0	62.0	62.0	3	62.0	62.0	62.0
141	62.7		1.49	64.7	65.3	68.3		65.3			65.3	65.3	65.3	65.3	65.3	65.3
	62.7	1	65.3	65.3	0.99	0.99	0.99	0.99		0.99	0.99	0.99	0.99	0.99	0.99	0.99
3000	65.3	66.7	0.89	0.89	68.7	68.7	•	6.69	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
	0.99		68.7	•	69.3	0	70.0	70.0	70.0	70.0			70.0	70.0	70.0	70.0
> 2000	71.3		74.7	74.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
	71.3		74.7	10	76.0	0	76.7	76.7		76.7				76.7		76.7
> 1500	74.7		80.7	81.3	82.0	82.0	82.7	•	82.7	82.7				82.7		82.7
1200	73.3		81.3	82.0	62.7	2		83.3		83.3		3	3	83.3		
V 1000	78.7	1	84.7	66.0	86.7	60.7	87.3	•	-	87.3	87.3			87.3		87.3
% AI	78.7		86.0	1.	98.0	0.88	88.7	88.7	88.7	88.7	88.7	•		88.7	88.7	88.7
	80.7		88.0	89.3	0.06	90.0	40.7	1.06	40.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	82.7		0.06	91.3	0.76	92.0	1.26	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	63.3
000	82.7		30.7	95.0	63.3	63.3	0.46	0.46	0.46	4.7	7.46	4.7	4.7	4.7	1.46	4.7
	82.7		61.3	92.7	0.46	0.46	64.7	1.46	4.7	95.3	65.3	95.3	95.3	6.36	95.3	95.3
1 400	82.7	0.06	91.3	45.7	0.46	0.46	95.3	65.3	95.3	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	82.7	0.06	91.3	63.3	64.7	1.46	0.96	0.96	0.96	7.96	1.96			1.96		46.7
> 200	82.7	0.06	91.3	63.3	1.46	4.1	0.96	46.7	1006	98.0			0.86		0.86	
	2	0.06	91.3		04.1	1.76	0.96	1.96	1.96		8	00	3			98.0
٨١	82.7	0.06	91.3	93.3	1.56	24.7	0.96	1.96	1.96	0.86	0.86	98.0		98.0	98.7	00.00

TOTAL NUMBER OF OBSERVATIONS

150

SMOS

54.7 56.7

52.0

52.0 54.7

52.0

52.0

52.0

54.7 56.7

54.7

54.7

61.3

61.3

61.3

61.3

61.3

61.3 61.3 61.3

60.7

60.7

60.7

50.7

60.7

1.09

60.7

57.3

63.3 0.49

63.3

63.3

63.3

63.3

63.3

63.3

63.3

67.3

67.3

67.3 70.7

67.3 70.7

67.3

67.3

70.7

70.7

70.1

70.7

70.7

0.49

0.49

0.49

0.49

0.49

0.49

0.49

74.0

74.0

74.0

74.0

74.0

24.0

14.0

74.0

24.0 70.7

74.7

74.7 0.09

74.7

74.7

14.7

14.1

74.7 74.7

74.7

74.7

14.7

82.0

82.0

82.0 88.7 88.7 9207

82.0 88.7

82.0 88.7

82.0

82.0

82.0

82.0

82.0

80.7

80.7

88.7

88.7

88.7

88.7

88.7 88.7

86.7 86.7 7.06

86.7

88.7 88.7 92.7

88.7 88.7

88.7 88.7

80.0

0.08

80.0 82.0

80.0 80.0

80.0

80.08

80.0

80.0

80.0

57.3

57.3

57.3

56.7

56.7 51.3

56.7 51.3

52.0

52.0

52.0

52.0

52.0 48.0

0.84

48.0

主

NON

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

STATION NAME

YEARS

0.9 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

۸۱

M Al

۸۱

٨١

۰ ۱۸

2 ۸۱

CEILING (FEET)

0.44

٨١

2 5/16

2 ۸۱

٨١

0.84

0.84

48.0 0.84 0.84 48.0

0.84

0.84

0.84

48.0

48.0 48.0

52.0 0.84 48.0 52.0 48.0 0.84 54.1 56.7 7 52.0 52.0 0.84 56.7 52.0 52.0 48.0 48.0 ۸۱ 0.84 48.0 0.84 ۲<u>۰</u> 0.84 52.0 48.0 52.0 ·84 €8. 54.7 ۸۱ 52.0 0.84 0.84 0.8% 54.7 0.84 ۲ ۸۱ 0.84

47.3

47.3

47.3

47.3

45.1

47.3

47.3

47.3

42.7

12000

AI AI

51.3

51.3

51.3

51.3

40.7

51.3

51.3

40.7 40.3

9000

AL AL

24.0

24.0

54.0

56.0

26.0

55.3

50.7

2000

AI AI

56.7

56.1 0.09

56.0

51.3

59.3

24.0 24.7

5000

ALAL

0.09

4500

AI AI

47.3

47.3 47.3

47.3

42.7

42.7

≥ 20000

NO CEILING

47.3

47.3

42.7

VI VI 00081 16000

57.3 57.3 26.7 56.7

57.3 60.7 56.7 52.0 57.3 00.1 52.0 52.0 48.0 48.0 48.0

67.3 63.3 61.3 0.49 63.3 61.3 0.40 61.3 63.3 57.3 56.7 0.40 54.7 94.0 86.0 51.3 56.1

74.0 7007 67.3 10. 74.0 67.3 65.0 60. 0.99 0.09 62.1 69.3 72.7 1.09 0.09

73.3 78.7 72.7 73.3 0.99 69.3 78.7 0.29 62.7 1.09 0.79 0.99 69.3 13.3 72.7 62.7

72.0 61.3 62.0 71.3 68.0 54.7 55.3 0.00

3500

11 11

78.7 30.0 77.3 61.3 0.49 63.3 50.7 66.7

MIM

86.0 0.00 78.7 82.7 6.1.3 68.7 2500 1500

AI AI

MIM

82.7 65.3 85.3 69.3 68.7 66.3 1200 88

85.3 0.99 86.0 69.3 69.3 69.3 800 500

89.3 0.06 0.06 61.3 61.3 61.3 91.3 86.0 86.0 69.3 69.3 66.3 300 AI AI AI AI AI AI

OTAL NUMBER OF OBSERVATIONS

0.0010.86

0.86

100

0.86

8.16

97.3

97.3

97.3 0.86

61.3

0.86

98.0

0.86

0.86

98.0

0.96

98.0

0.86

0.86

98.0

1.96

0.96

0.46

92.7

61.3

86.0

66.3

80

0.96

0.96

0.46

92.7

0.96

95.3

95.3

95.3

95.3

65.3

0.46

0.40

0.46 0.46 95.3

0.46 0.46

94.0

0.26 93.3

0.46 0.46

0.46

92.0

61.3 91.3 92.7

68.3

95.3

95.3

7.96 1.96 96.7 40.7

0.96

0.95

0.46 0.46

92.7

92.1

0.96

0.96

0.96

0.56

4.96

96.7

7.96

7.96

94.7 . 46

0.46

0.76

0.46

0.46

0.56 0.46

0.46

0.46 0.46 0.46

92.7

92.7

92.7

92.7

92.7

7.36

92.7

92.1

92.7

90.0

86.7

88.7

88.7

88.7

88.7

88.7

88.7

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

12 HOURS (1 S T)

NON

CEILING																
(FEET)	2	٨١	59	٨١	٨١	> 2%	% Al	71 %	71 71	- -	% Al	*	۶ ۸۱	≥ 5/16	× 11	٥
O CEILING	1.84	2	2	2		2.	52.0	52.0	2.			2.	2	2	52.0	52.0
Z 20000	53.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7		56.7		1.95	56.7	•	
N 18000	en	0	-	56.7	56.7		56.7	56.7	56.7	56.7	56.7		50.7	56.7	56.7	56.7
≥ 16000	53.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	50.7	56.7	56.7	56.7
7 14000	*		56.7	56.7	56.7		56.7	56.7	56.7	56.7	56.7			56.7	56.7	
≥ 12000	53.3	56.7	56.7	56.7	56.7	56.7	56.7	26.7	56.7		56.7	26.7	20.1	56.7	56.7	56.7
00001	. 4		7	57.3		2	57.3	~	57.3			-	57.3	57.3	57.3	57.3
000	4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8000			8	58.0	58.0	œ		æ			58.0	58.0	58.0	58.0	58.0	58.0
2 7000	-	60.7	60.7	60.7	0	60.7	60.7	60.7	60.7	60.7	•		2.09	0	•	60.7
0009	58.0	61.3	61.3				61.3	-		•		61.3	61.3		61.3	61.3
2000	o	0.49	0.49	64.7	64.7	64.7	64.7	1.49	2.49	4	1.49	. 4	2.59	2.59	64.7	64.7
	60.7	0.49	0.49	64.7	64.7	64.7	64.7	*	64.7	64.7	1.49	2.49	64.7	64.7	64.7	64.7
400	N	65.3	65.3	0.99	0.99	0.99	0.99	9			0.99		0.99			0.99
	1.49	68.7	58.7	69.3	69.3		6.69	69.3	69.3		69.3	69.3	69.3	69.3		69.3
3000	0	74.0	74.0	74.7	74.7	*	74.7		*	4			74.7		74.7	74.7
1	72.0	76.7				77.3						77.3	77.3	2	77.3	77.3
7000	-	78.7	78.7	79.3	79.3	79.3	79.3	79.3	0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
	74.7	80.0	80.0	80.7	80.7	80.7				ċ		20.2	80.7		80.7	80.7
1500	76.7	0.98	36.0	86.7	86.7	86.7	86.7	86.7	.0	86.7	86.7	86.7	86.7		86.7	86.7
	78.0	86.3		0.06	0.06	0.08	0.06	0.06	0.06	0	0.06	0.06	0.06		0.06	0.06
1000	78.7	91.3	92.0	92.7	63.3	93.3	93.3	93.3	63.3	93.3	63.3	63.3	63.3	63.3	93.3	93.3
	78.7	92.7	63.3		1.56	65.3	98.3	65.3	65.3		62.3	95.3	62.3	6.86	62.3	6.56
800	78.7	93.3	2.46	95.3	0.96	.0	2.96	1.96	10.96	. 9	1.96	1.96	1.96		2001	96.7
	78.7	0.46	65.3	0.96	2.95	97.3	6.16	6.76	97.3	61.3	61.3	61.3			61.3	97.3
9	78.7		95.3	0.96	2.96		6.26	6.76	97.3		67.3	61.3	61.3		97.3	97.3
	78.7	24.7	0.06	96.7	61.3	0.86	0.86	0.86	98.0	8	0.86	0.86	0.86	0.86	0.86	0.86
8		95.3	2.96	97.3	0.86	98.7	7.86	48.7	7.86	7.86	48.7	28.1	48.7	7.86	1.86	98.7
	×	66.3	1.96	6.76	0.86	98.7	000	48.7	68.7		66.66	866	66.3	8.66	66.3	66.3
7 200	78.7		1.96	6.16	0.86	98.7	7.86	7.86	4.86	66.3	66.3	66.3	•	66.3	2.66	66.3
8	8	95.3	1.96	67.3	0.86	98.1	98.7	1.86	48.7	66.3	66.3	66.3	18.66	10.0	00.00	0.00
٥	78.7		1.96	6.76	0.86	98.1	7.86	1.86	98.7	66.3	66.3	66.3	99.31	-	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

68.0

68.0 68.0

67.3 0.89

67.3

67.3

67.3

67.3

67.3

67.3

67.3

67.3

67.3

0.99

65.3

65.3

64.7

0000

AI AI

68.0

0.89

0.89 0.89

0.89 68.0 7007 71.3

0.80

0.80

68.0

0.89

68.0

66.7

8000 7000

0.80 7.0.7

0.80

68.0

0.89 70.7

68.0

56.7 69.3

5000

AI AI

70.7

70.7

70.7 71.3

65.3

65.3

65.3

65.3

65.3

65.3

65.3

65.3

65.3

65.3

65.3

62.7

62.7 62.7

HOURS (LS T

2

NON HONTH 5

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

STATION NAME

93901

PERCENTAGE FREQUENCY OF OCCURRENCE

YEARS

FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

1.7 ۸١ ۸۱

AI

21/2 ٨I

۸I

۸۱

٨١

Al

(FEET)

12 ٨I

٨١

58.0

٨I

62.0 ٨١ 0.29 62.0 62.0

62.0 62.0 62.0 62.0 62.0 62.0

62.0

62.0

62.0

62.0

0.29 62.0 62.0 65,3 62.7 62.7 62.7

62.0 62.0

62.0

62.0

62.0

62.0

62.0

62.7 65.3 65.3

62.7

62.7

1.79

0.20

12000

AI AI

65.3

65.3 65.3

65.3

6.69

64.7

65.3

62.0

05.0

62.0

62.0

0.29 0.29

62.0

61.3

18000

61.3

NO CEILING

2 20000

0.79 62.7

61.3

0.29

62.0

05.0

0.20

62.0

0.79

62.0

65.3 62.0 0.79 95.0 62.7 62.0 62.0 62.0 67.3 62.7 65.3 65.3 61.3 65.3

0.89 0.89 67.3 68.0 65.3 70.7 68.0 0.89 11.3 70.7 73.3 0.89 70.7 68.0

71.3 73.3 0.94 24.0 86.0 86.0

71.3 73.3 0.9/ 79.3

7103 73.3 0.97

71.3 73.3 76.0

73.3 16.0

73.3

73.3

73.3

73.3

71.3

71.3

71.3 73.3

71.3 73.3 16.0

13.3

72.0

4500

0.0

76.0 79.3 83,3 85.3 88.3 0.06

0.47

76.7

3000

AI AI

16.0

16.0

0.9 79.3 63.3

76.0

16.0 79.3

79.3

7007

70.7

0.89

68.0 70.7

0.89 70.7 71.3

> 70.7 71.3

70.7

19.3 0.48 0.9/ 71.3 73.3 19.3 0.48 16.0 73.3 71.3 16.0 79.3

0.98 86.0 91.3

86.0 86.0 91.3

0.49 86.0

84.0

84.0 86.0

84.0 86.0

0.98

86.0

85.3

85.3

85.3

85.3

81.3

2500

ALAI

19.3

83.3

83,3

83.3

79.3

86.0

79.3

79.3

79.3

79.3 . 48

79.3 84.0

92.7

92.7

92.7

86.0 86.0

86.0 91.3

86.0

86.0

0.98

86.0

0.98 61.3 92.7

65.3

85.3 7.06

85.3

65.3

90.7

84.0

91.3

0.96 0.96

92.7 0.96

0.96 6.16 60.3 1.96 97.3 97.3 7.96

0.96

0.96

96.0 96.0

0.96

0.96

95.3 0.96 96.7

6.56

95.3

95.3 6.56 0.96

92.7 92.7 93.3

82.0

200

ALAI

82.7

82.7 82.7 82.7 82.7 82.7 82.7

88

MIM

0.96

0.96

7.96

7.96

7.96

96.1

96.7

7.96

96.7

96.7

92.7

92.7

91.3 91.3

61.3

1.26

92.0

92.0

92.0

0.76

90.7

90.7

40.7

82.0

1800

AI AI

01.3

61.3

7.06

97.3

7.86

7.86

7.86

98.7 98.7

8.16

67.3

97.3 97.3

87.3

97.3

7.86 7.86

7.86

7.86

98.0

61.3

97.3

1.96 1.06 1.96

0.46

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98.0

0.46

800

ALAI

98.7100.0010.0

98.

0.80

0.86

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1.96

0.46

8 8

AI AI

0.46

0.46

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200

AI AI

4040

100.010

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0

7.86

98.0

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0.86 0.89

0.86

1.96 7.06

0.46

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82.7 82.7

80

AI AI

DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0

00.0100.0100.0100.0100.0100.0100.0100.0

68.7

68.7

68.7

68.7

68.7

68.7

0.89

69.3

69.3

69.3 70.7

69.3

70.7

70.7 11.3

70.7

70.7

68.0 68.0

66.7

66.7

66.7

66.7 0.80

1.99

68.0

0.88

0.80

68.0

0.89

7.90

68.7

68.7

68.7

68.7

67.3

9000

AI AI

69.3

69.3

69.3

69.3

0.89

70.7

70.7 11.3 74.0 75.3

70.7

70.7

69.3 0.0

8000 7000

AI AI

11.3

74.0

74.0 11.3

72.0

5000

AI AI

11.3

75.3

75.3

3.3 78.7

79.3 81.3 81.3

78.7

70.7

4500

AI AI

80.7

78.7 19.3

3500

AI AI

2500

ALAI

80.7

66.7

66.7

66.7 0.89

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66.7

65.3

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1.00

66.7 66.7

66.7 66.7

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74.0 74.0

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71.3

75.3

75.3

75.3

15.3

75.3 79.3

73.3

79.3

79.3

79.3

79.3

79.3

71.3

81.3 84.0

81.3

81.3

81.3

81.3

81.3

84.0

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84.0 88.7

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83.7

88.7 88.7

88.7 88.7 91.3 42.7

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91.3 92.7

91.3

91.3

91.3

91.3

91.3

91.3

91.3

92.7

92.7

92.7

92.7

92.7 64.7

88.7

88.7

88.7

92.7

1.76

69.3

6.56

65.3

95.3

8.56 8.56

95.3

95.3

93.3

95.3

0.46

7.56

1.06

7.96

7.96

1.96

1.96

96.7

0.96

7.49

1.96 96.7 96.7

96.7

7,06 7.96

7.96

1.96

7.96

1.96

96.7

7.96

96.

0.96

7.40 96.0 0.95

98.7 98.7

98.7

98.7

98.7

7.86 7.86

1.86

7.86

98.7

97.3

6.56 8.56

6.66

7.86

600

96.0

86.3 99.3 99.3

66.3

7.46

24.7

64.7

44.7 95.3 96.7

64.7

4.7

7.46

1.46

88.7

88.7 88.7

81.3

81.3

81.3

81.3

21.3

81.3

81.3 81.3

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DALLAS, TEXAS

93901 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE

YEARS

VISIBILITY (STATUTE MILES)

HOURS (L S T

8

NON

(FROM HOURLY OBSERVATIONS)

68.0 66.7 66.7 71.3 70.7 66.7 68.7 69.3 66.7 68.0 66.7 69.3 71.3 66.7 70.7 56.7 68.7 66.7 ٨١ 0.89 68.7 65.7 66.7 69.3 1009 70.7 66.7 ٨١ 56.7 66. 68.0 68.7 66.7 66. 4

66.7

66.7

66.7

1.99

65.3 65.3

.99

66.

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٨١

AI

(FEET)

NO CEILING

> 20000

24.0 75.3 81.3 19.3 81.3 71.3 75.3 74.0 79.3 61.3 81.3 74.0 79.3 70.7 71.3 75.3 61.3 69.3 68.7 11.3 69.3 70.7

0.48 88.7 88.7 84.0 81.3 88.7 88.7 74.0 0.48 75.3 79.3 501.3 88.7 81.3 74.0 75.3 79.3

91.3 88.7 92.1 81.3 91.3 01.3 84.0 88.7 88.7 79.3 81.3 61.0

1.46 92.7 83.3 93.3 87.3 0.06 91.3 87.3 83.3 87.3 61.3 87.3 86.7 82.7

93.3 89.3 90.0 40.7 86.7 92.7 1.78 82.7 83.3

1800

MIM

83.3 84.7

84.7

200

AI AI

93.3 94.0 7.46 0.56 0.46

88

AI AI

84.7 84.7 84.7 34.1

800

AI AI

1.96 1.56 7.46 64.7 84.7

500

AI AI

38

AI AI

65.3 95.3 7.46 94.7

99.31

99.3

98.0

05.3

48

80

AI AI

0.86

98.0

TOTAL NUMBER OF OBSERVATIONS

3388

00.0100.0100.0100.0100.0100.0100.0100.0100.0

DIRNAVOCEANMET

922

SOMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

2.1 HOURS (1.5.T.)

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Name	CEILING							NIS.	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
62.3 64.7 64.7 64.7 64.7 64.7 64.7 64.7 64.7	(FEET)			1 3 3	4				VI 2/2	VI 7.	-	% AI	*	71	2 5/16	71	٨١
20000 66.7 68.0 68.0 68.0 68.0 68.0 68.0 68.0 18000 06.7 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0	NO CEILING	63.8	1.49	64.7	64.7		64.7		64.7	64.7	65.3	65.3		65.3	65.3	65.3	65.3
18000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	≥ 20000	66.7	689	8	• ©	8	60	8	68.	0.89	68.7	68.7	68.7	68.7	68.7	68.7	68.7
10000 06.7 68.0 68.0 68.0 06.0 68.0 68.0 68.0 68.0		66.7	68.	*		8.	8	. 3	0.89	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000 66.7 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0		06.7		8		8	92	60	0.89	0.89	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000 65.0 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3		66.7	68	20		8		8		68.0	1.89	68.7	68.7	68.7	68.7	68.7	68.7
10000 68.0 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3		67.3	68	00		00		00	68.7	68.7	69.3	69.3	69.3	69.3	6.69	66.3	69.3
9000 68.0 69.3 77.7 72.7 <th< td=""><th></th><td>68.0</td><td>.69</td><td>9</td><td></td><td>6</td><td>5</td><td>0</td><td></td><td>69.3</td><td>70.0</td><td>70.0</td><td>0.07</td><td>10.0</td><td>70.0</td><td>70.0</td><td>70.0</td></th<>		68.0	.69	9		6	5	0		69.3	70.0	70.0	0.07	10.0	70.0	70.0	70.0
8000 70.0 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3		0.89	69		0	6	0	0	6.69	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.07
7000 71.3 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72	1	70.0			11.3		11.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
5000 71.3 72.7		71.3	72.		72.7		72.7		72.7	72.7			73.3	73.3	•	73,3	73.3
5000 74.0 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.0 76.0	1	71.3	72.	72.7	72.7	72.1	12.1	12.7	72.7	72.7	73.3	73.3	73.3	13.3	13.3	73.3	73.3
4500 76 7 78 0 78 0 78 0 78 0 78 0 78 0 78		74.0	75.		75.3	5	75.3		75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0
78. 7 80. 7 80. 0	1	76.7			78.0	8		50	0.87	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.
3500 78.7 50.7 50.7 50.7 50.7 50.7 50.7 50.7 50		78.0			0	ċ	0	0	80.0	80.0	80.7	30.7	80.7	80.7	80.7	80.7	80.7
3000 80.0 82.7 82.7 82.7 82.7 82.7 82.7 82.7 82.7	1	78.7		80.7	80.7		80.7		80.7	80.7	81.3	81.3	61.3	81.3	81.3	81.3	
2500 82.0 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3		80.0		82.7					82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2000 83.3 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7		0.28		85.3		2	85.3		85.3	85.3	86.0			86.0	86.0	86.0	
1800 63.3 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7		83.3		86.7	0	0		0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	
1500 86.7 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90		83.3		1000		0		86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.
1200 67.3 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7		86.7			C	ċ	0	0	0.06	90.0	2006	2.06		90.7	90.7	1.06	
1000 89-3 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7	1	87.3		1.76		2	92.7		92.7	92.7	63.3	63.3	63.3		93.3	93.3	93.
900 69.3 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7		89.3	. 56	1.46					1.46	4.46	68.3	95.3	65.3	95.3	95.3	95.3	95.3
800 90.0 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3		69.3	. 76	1.46	94.7	1.46	64.		1.56	4.7	68.3	62.3	85.3	95.3	6.56	95.3	98.3
700 90.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96		0.06	.56		5		95.3		65.3	95.3	0.96	0.96		0.96	0.96	0.96	96.
500 90.7 96.7 96.7 96.7 97.3 97.3 9 500 90.7 96.7 96.7 96.0 98.0 98.0 90.7 96.7 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0		90.7		1.06	6.7	1.96	1.96		1.96	36.7	97.3	61.3	81.3	97.3	6.16	97.3	97.
500 90.7 96.7 96.7 96.7 98.0 98.0 98.0 98.0 9 98.0 9 98.0 9 90.7 96.7 96.7 98.0 98.0 98.0 9 98.0 9 98.0 9 90.7 96.7 96.7 98.0 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 98.0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		7.06	.96	1.96	0				6.76	97.3	0.86	0.86		0.86	98.0	98.0	98.
200 90.7 96.7 96.7 96.7 98.0 98.0 98.0 98.0 90.7 96.7 96.7 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0		90.7	.96	2.96	1.98	00	0.88		7.86	7.86	6.66	66.3	66.3	66.3	66.3	66.3	.66
300 90.7 96.7 96.7 96.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98		90.7	96	1.96	\$	80			1.86	7.86	66.3	66.3	66.3	66.3	6.66	66.3	66.3
200 90.7 96.7 96.7 96.7 98.0 98.0 9 100 90.7 96.7 96.7 96.7 98.0 98.0 9		90.7		1.96	1.96	8	98.0		48.7	68.7	66.3	66.3	66.3	0.001	10000	0.00	0000
0 90.7 96.7 96.7 96.7 98.0 98.0 98.0 9		90.7	96	1.96		8			98.7	48.7	86.3	66.3	86.3	0.001	100.001	0.00	0.001
0 0 0 7 06 7 06 7 06 0 00		60.7	.96	2006		8			1.86	7.86	0	66.3		0000	10000	0.00	0.00
0.00		90.7	46.7	2.90	2.96	0.86	0.86	7.86	98.7	7.86	8006	66.3	66.3	0.001	10000	0.00	0.00

TOTAL NUMBER OF OBSERVATIONS

150

93901 STATION

DALLAS, TEXAS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

200

VON

ALL HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$:						
(FEET)	5	۰ ۸۱	8	4	۳ ۸۱	≥ 2%	7	VI 2/1	VI 2.	71	71	*	Z AI	≥ 5/16	VI 3	٥
NO CEILING		55.7			0	9	.9	9	0	. 9	6.	. 9		9	56.3	
> 20000	56.8	\$ 88.4	58.6	58.6	58.8	58.8	38.8	58.8	58.8	6.85	58.0	58.9	8	58.9	29.0	59.0
							50	303	8	00	88.9	8	68.6	00		6
14000		58.4					58.8	88.8	58.8	*		00	8	8	59.0	
				58.6	58.8	58.8		00		00	500	58.9	. 0	8	29.0	6
12000		58.8		6.85	59.1	59.5	59.5	59.5	59.5	59.3	0	6	59.3	6	•	6
1	58.8	2.09	60.8	8.09	•		61.1	0		61.2	61.2		61.2			-
000		60.8		6.09	61.1	61.2	5.19	61.2	61.2	61.3				-	61.3	-
	8.00	62.8		65.9	63.1	03.2	63.2			63.3	63.3	63.3	63.3	63.3	63.3	63.3
000	2.29		64.3	64.3	64.5	9.59		64.6	9.49	64.7				*		64.8
1	65.0	6.40		5	65.3		65.3	65.3	5		4.69	2	5	65.4		5
2000	5.50	67.3	67.7	67.8		0.89		.89	0.89		68.1		68.1		68.2	68.2
	1000	4.89			6				6	0	0	6				6
1 1	0	70.2		70.7	0	71.0	•	71.0	71.0	-	-	71.1	-	71.1	71.2	-
	1	71.8			72.5			72.1				2	72.8		2.	3
3000	71.8	74.5		75.2	5	75.5	75.0	75.6	'n		5		0	75.7		5
	73.6	77.0		77.6	77.8				8		78.3	78.3				30
2000	70.3	0	80.8	80.8	81.2	61.3	81.5		1	81.6	-	-	-	81.6	-	-
1	76.8	80.7		81.3		•	82.0			82.1		82.1	~		2	2.
2 1500	78.9	85.1			86.2	0	86.5			9		9	86.6		9	. 9
	79.8	86.8		87.8	88.1	88.3		88.4	88.4	88.5	88.0	88.5	3	90	00	
1000	81.5	89.3		8.06	91.3		61.1	-		-	-			91.8	91.8	:
006 A1	81.8	90.1		61.7	92.1		2	2.			1.26	5	•	3	2	
	82.7	4.16		93.2	3.	*		6.46			4				*	*
	6.80	92.2	3.	96.1	9.46		95.4	4.56	95.4				92.6		95.7	8.56
00	83.3	92.5	0.46		4.56	0.96	4.96	4.96		9.96			.0		9	96.8
	83.4	2	4 .		0		97.1	3.16		61.3	-				97.4	
1 400	83.4	93.1	94.3		. 9	2.16	9.16	6.16	-	98.1	3		96.1	98.1	98.5	98.3
	83.4	93.1	*		96.8		0.86	3.86					8	00		
7 700	4.89	27	+	·	.0	4.16	98.2	98.5	3		6	6				4.66
91	83.4		4	4.56	8.96	1.	98.2		00	0.66	1.66	1.66	3.66	80.3	5.66	9.66
٥	63.4	93.1	6.46		0	4.7.4	98.5	98.5	98.5		1.66	6		•	66.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

1556

93901 STATION

AL MEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DEC

00 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(+EET)	5 1	۸I	۶ ۸۱	4	11	2 2%	7	۷۱ ۲۷	V 1%	<u>۱</u>	% Al	* 1	% AI	2 5/16	Z AI	0 11
NO CEILING		7	67.1	67.7	67.7	67.7	67.7	67.7	57.7	67.7	67.7	67.7	57.7	67.7	67.7	
≥ 20000		0.69	0.69	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7			2.69	69.7
				69.7	69.7	69.7	2.69		6	1.69	69.7		69.7	69.7	69.7	
≥ 16000	0.69	0.69	0.69	1.69	69.7	69.7	69.7	69.7	2.69	69.7	69.7	69.7	69.7	69.7	69.7	
	0.69	.69	0.69	2000	1.69	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	1.69	69.7	
> 12000	0.69	69.	0.69	69.7	69.7	0.60	69.7	69.7	69.7	1.69	69.7	69.7	69.7	1.69	7.69	69.7
	73.6	03	73.6	74.2	74.2	74.2	74.2	74.8	74.2	74.2	74.2		74.2	74.2	74.2	74.2
0006	73.6		73.6	74.2	74.2	74.2		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1	74.2	74.		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
7000	75.5		75.5	76.1	76.1	76.1	76.1	76.1		76.1	76.1	76.1	76.1	76.1	76.1	
1	75.5	1	75.5	76.1	76.1	16.1	76.1		76.1		76.1	76.1	76.1	75.1	76.1	76.1
2000	76.1			76.8	76.8	76.8	76.8	76.8	76.8	76.8	3.97	76.8	70.8	76.8	76.8	76.8
	76.8	76.8	76.8	77.4	77.4	17.4	77.04	77.4	77.4	77.4		77.4	77.4	77.4	77.4	77.4
4000	77.4		77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1		78.1	78.1
1	78.7	1	78.7	70.4	4.64	4.61	70.64	79.4	4.64	79.4		79.4	19.4	4.64	79.4	
3000	80.7	80.	80.7	81.3	81.3	61.3		81.3	81.3	81.3	81.3	81.3	81.3	61.3	81.3	81.3
	84.5	4		85.2	85.2	85.2	85.5	85.2		85.2	85.2	85.2	10	85.2	85.2	
7 2000	85.8	8	85.8	86.5	86.5	86.5	86.5	86.8	86.5	86.5	86.5	86.5	.0	86.5	36.5	36.5
	36.5		80.5	87.1	87.1	67.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1500	98.4	69.		89.7	89.7	7.68	89.7	89.7	4.68	1.68	89.7		0	89.7	89.7	89.7
	88.4	89.		89.7	1.68	90.3	6.06	8.06	8003	90.3	000	6.06	0	90.3	90.3	90.3
1000	89.0	91.	0.16	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	6	92.3	92.3
	89.0	91.	91.0	91.6	01.0	92.3	92.3	92.3	92.3	92.3	92.3		2	8	92.3	
008 AI	89.7	.16	91.6	65.3	92.3	65.6	6.26	6.26		6.26	6.26		•	92.	65.6	
		91.6		65.3	95.9	93.6	93.6	93.6	93.6	93.6	93.6			93.6	93.6	93.6
009	90.3		92.3	92.9	93.6	2.46	2.46	2.46	34.2	94.2	3.56	94.2	94.2	94.5	94.2	
	91.0	92.	6.26	93.6	65.5	96.1	8.96	8.96	96.8	4.16	4.79	4.16	-	4.16	4.16	4.16
171	91.0		6.76	93.6	95.5	96.1	96.8	8.96	8.96	4.16	4.76	4.16	4.16		4.16	
	91.0		2.46	94.8	90.8	4.46	98.1	1.86	98.1	98.7	98.7	1.86	98.7	98.7	1.86	98.7
700	91.0	93.6	3.46	94.8	4.76		7.86	48.7	68.7	4.66	4.66	4.66		4.66		4.66
	91.0	93.6	2.56	. 1	1.	98.1	1.00	68.7	98.7	4.66		7.66	4.66		4.66	4.66
٥	91.0		34.5	94.8	4.16	98.1			98.7		4.66	4.66	4.66	4.66	0.001	0.001
						1										

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

\$3901 STATION

HOURS (LST) DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 10 2 6 2 5 2 4 2 3 2 2 6 2 7 10 7 1 6 7 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6	CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
ERING 65.8 66.5 66.5 66.7 67.1 67.1 67.7 67.7 67.7 67.7 67.7	(1661)	177		72		Albana II	70.00				Ā						٨١
0000 077 08.4 68.4 68.4 68.4 69.0 09.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7	NO CEILING	65.	6.99		.0	7.	7.	67.7		7.	7.	7.			7	7.	67.7
10000 07.7 08.4 68.4 68.4 68.4 69.0 09.0 09.7 69.7	N 20000	67.	68.4		8	6	0	69.7	6	5	6	0	6		6	6	
10000 67.7 68.4 68.4 68.4 68.4 69.0 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7		67.7	4.89		œ.	6	0	•	6	0	6		6		6	5	69.7
11000 67.7 68.4 68.4 68.4 68.4 69.0 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7		67.7	68.4		8	6	6	0	6	5	6		6		6	6	69.7
13000 67.7 68.4 68.4 68.4 69.4 69.0 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7		1.10	68.4		00	0	6		6	3			6			6	69.7
76.3 71.0 71.6 71.6 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3		67.7	4.89		*	6	0			0	6		0			6	
2000 71.0 71.6 71.6 72.3 72.9 <th< th=""><th></th><th>70.3</th><th>71.0</th><th></th><th>71.0</th><th></th><th>11.0</th><th>2.</th><th>2</th><th></th><th>2.</th><th></th><th>2</th><th>2</th><th>2.</th><th></th><th>72.3</th></th<>		70.3	71.0		71.0		11.0	2.	2		2.		2	2	2.		72.3
74.2 74.8 74.8 74.8 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1		71.0	71.6			~		~	~		2		3	2	2		
75.5 76.1 76.1 76.1 76.1 76.6 77.4 77.4 77.4 77.4 77.4 77.4 77.4		74.2	74.8						9	76.1		70.1	9	0			76.1
2000 75.5 76.1 76.1 76.6 77.4 77.7 78.7 <th< th=""><th></th><th>75.5</th><th>78.1</th><th></th><th>9</th><th></th><th></th><th>1.</th><th>1.</th><th></th><th></th><th>1.</th><th>-</th><th>-</th><th>1</th><th>•</th><th>77.4</th></th<>		75.5	78.1		9			1.	1.			1.	-	-	1	•	77.4
3500 75.5 76.8 76.8 77.4 77.4 76.1 78.1 <th< th=""><th></th><th>75.5</th><th>76.1</th><th></th><th>0</th><th>.0</th><th></th><th></th><th>7</th><th></th><th></th><th></th><th>7</th><th>-</th><th>-</th><th></th><th>77.4</th></th<>		75.5	76.1		0	.0			7				7	-	-		77.4
4500 75.5 76.8 76.6 77.4 78.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 <th< th=""><th></th><th>73.5</th><th>76.8</th><th></th><th>9</th><th>-</th><th></th><th>120</th><th>00</th><th>•</th><th></th><th></th><th>8</th><th>· ×</th><th>00</th><th>20</th><th></th></th<>		73.5	76.8		9	-		120	00	•			8	· ×	00	20	
4000 76.1 77.4 77.7 80.7 <th< th=""><th></th><th>75.5</th><th>76.8</th><th></th><th></th><th></th><th></th><th>8</th><th>20</th><th>78.1</th><th>8</th><th>78.1</th><th>8</th><th></th><th>33</th><th></th><th>78.1</th></th<>		75.5	76.8					8	20	78.1	8	78.1	8		33		78.1
71.4 78.7 78.7 78.7 79.4 79.4 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80		76.1	77.4		-				8			3	œ				
3000 78.1 79.4 79.4 79.4 79.4 80.0 80.7 80.7 80.7 80.7 80.7 80.7 80.7		77.4	78.7		8	•	0	0	0	0	0	0	0	0	0	0	
2500 78.7 80.0 80.0 80.0 80.0 80.7 80.7 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3		78.1	19.4		6	0	0	0	0	0	•		0	0	0	.0	80.7
2000 80.7 81.9 61.9 81.9 82.6 82.6 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2	1	78.7	80.0		0	.0	0		-:	-	-		-			-4	81.3
800 89.7 81.9 61.9 81.9 82.6 62.6 53.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 8		80.7	81.9			2	2	*	'n	4	m	3	3	3	ė	3	83.2
1500 83.9 66.5 86.5 87.1 87.1 87.1 87.7 87.7 87.7 87.7 87.7		80.1	61.6		-	5.	· N	3	3	3	*	3	3	3	*	3	83.2
1200 84.5 87.1 87.7 87.7 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.9 89.0		83.9	60.9		9	-	-		7.	-			1	1.		-	87.7
1000 84.5 87.7 87.7 87.7 88.4 88.4 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0		84.5	87.1			67.7		8	3	8	8	3	8	8	0	O	88.4
300 34.5 87.7 87.7 88.4 89.0	-	84.5	87.7		7	3		On	0	0	6	6	0	*	6	0	
86.5 90.3 91.0 91.0 92.3 92.9 92.9 92.9 92.9 92.9 92.9 92.9		34.5	87.7		1	*	90	0	6	6	0	0	6	0	0	•	89.0
700 86.5 91.6 92.3 92.9 94.2 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95	1	86.5	80.3		-	5.	~	N	2	0	2	2	5	2	2.	5.	2
80 86.5 92.3 92.6 94.8 94.8 96.8 96.8 96.8 96.8 97.4 99.4 9		80.5	91.0		0	+	*	. 4	3	3	5	3	5	5		3	95.5
500 86.5 92.9 93.6 94.2 95.5 95.5 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 99.4		80.5	92.3		133	. 4		0	0	9	0	•	9	0	9	•	
400 87.7 94.2 94.8 95.5 96.8 96.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		86.5	6.26		. 4		5	. 9			-		-		-		4.16
300 87.7 94.2 94.8 95.5 96.8 96.8 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		87.7	2.46		·	.0	9		6	6			6		0	0	
200 87.7 94.2 94.8 95.5 96.8 96.8 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		87.7	84.2		8	6.	9		6	6	6	0	6		6	9	
100 87.7 94.2 94.8 95.5 96.8 96.8 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 100.0100.		87.7	. 4			. 0	0		6	6	0		6	4.6	. 66	6	4.66
0 87.7 94.2 94.8 95.5 96.8 96.8 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 100.0100.		87.7	*			9	. 0		6		0		6	4.6	0.00	00	0
	1	87.7	4		5	0	0		6	0	0	•	6	2.6	0000	0000	C

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

0.6 HOURS (1.5.T.) DEC

0000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	01 71	9 Al	۶۵ ۸۱	4	C AI	≥ 21/2	۲ ۱۸	۷۱ کا ۱۷۶	71 71	- AI	% AI	*	7	≥ 5/16	VI Z	٨١
NO CEILING	60.7	61.9	61.9	61.9	6119	6119			61.9	6119	61.9	6119	6119		61.9	61.
Y 20000	64.5	65.8	5	65.8	65.8	65.8	69.8	65.8	0			2.	2	3	•	
2 18000	64.5	65.8	9	65.8	65.8	65.6	65.8	65.8	65.8	10		5		65.8	•	65.
16000	64.5	6.59	65	65.3		65.8		5	5	65.8	65.8	5	65.8	65.9	65.8	
	64.5	65.8	65.8	65.8	65.8	8.30	65.B	63.8	65.8		63.8	65.8	65.8	65.8	65.8	65.
7 12000	65.2	66.8	.99	66.5	66.5	66.5	6.99	66.3	66.5	66.5	66.5		66.5	66.5	60.5	.99
	68.4			0	6	69.7		6	6		69.7	0	5	69.7	69.7	.69
> 3000	69.0		0	4.		70.3	70.3	70.3	70.3	70.3	70.3	.0	70.3	70.3	70.3	70.
	72.3	73.6							543		73.0	64	19	73.6		73.
2 7000	72.9	74.2	74.2	74.2	74.2	14.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.
	72.9	74.2	*		. 4			4		*	*	*		+		
2000	74.2	78.5	5		75.5	75.5	75.5	75.5	75.5	75.5	75.5	5		75.5	75.5	75.
	74.2	75.5	5	75.5				5			75.5	2			5	
4000	74.8	76.1			0	76.1	76.1	•	76.1	. 9	. 9	. 9		. 9		
	75.5			76.8	. 9		76.8	76.8	76.8	.9		76.8	.0		76.8	
3000	76.1		77.4	77.4	77.4	17.4	77.4	77.4	1	77.4	77.4	7		77.4	77.4	1
	78.7		30.	C	0	0.08		0		0	0.08	0	0	0	80.0	80.
2000	80.0	2	8	81.9	81.9		81.9	81.9		-	-	-	:	-	-	81.
	80.0		9	81.9	81.9	•				81.9	61.9	-	-	81.9	31.9	81.
1500	63.5				0	86.5	86.5		9	86.5	86.5			86.5		98
	83.2	86.5	ç	86.5	86.5	66.50	86.5	86.5	86.5		86.5	86.5	0		86.5	86.
000	85.8		89.7	0	89.7	89.7	89.7		6			6	0			
	85.8		6	C		69.7	89.7	89.7	69.7		89.7		6	89.7	89.7	68
08	86.5	91.	:	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	-		91.6	9116	91.
	86.5	91.0	-		91.6	91.6	91.6	91.6	91.6	91.6	:		91.6	-	91.6	91.
9	86.5			-		9.16	9.16		91.6	91.6	91.6	-		•	91.6	91.
	80.3				93.6	93.6	34.5	4	34.5	34.5	2.46	34.5	2.46	. 4	34.5	. 56
140	86.5		93.6	93.6	98.5	95.5	96.1	96.8	8.96	1.			4.16		4.16	97.
	86.5	65.6	94.8		96.8	96.8	4.16	1.86	98.1	98.7	98.7	98.7			68.7	98.
700	66.5	-	94.8	94.8	96.3	4.25	98.1		98.7		3.66		4.66		**66	66
	86.5	2	8.46	94.8	90.9	4.7.6		1.86	98.7	4.06	4.66				4.66	.66
١٨١	96.5	65.6			96.8	4.16	98.1		98.7		4.66	4.66	4.66	4.66	4.66	.00

TOTAL NUMBER OF OBSERVATIONS

155

888

DIRNAVOCEANMET

SMOS

2

93901 STATION

TOTAL NUMBER OF OBSERVATIONS

5763 CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC DALLAS, TEXAS

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	5 71	۰ ۸۱	۸۱ دو	4	ε ΛΙ	≥ 2%	7	۷۱ ۲۷	۷۱ ۲۰	- AI	7,	*	VI Z	≥ 5/16	71	٨١
NO CEILING	49.7	53.6	53.6	53.6	54.2	54.2	54.5	*	54.5	54.2	54.2	54.5		54.5	54.2	54.5
١٨ 20000	9		0	2009	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	-	61.3	61.3	61.3
7 18000	57.4		61.3	61.3	61.9	61.9	61.9	61.9	6.19	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	57.4		61.3	61.3	61.9	6.19	6.10	61.9	61.9	61.9	61.9	61.9	61.9	61.9	6119	61.9
> 14000	0	62.	62.6	62.6	63.2	63.2	63.2	63.2		63.2	•	63.5	63.2	63.2	63.2	63.2
7 12000	58.7		63.2	63.2	63.8	63.9	63.9	63.9	63.6		63.8	63.9	63.6	63.9	63.9	63.9
	0	65.	65.2	65.2	65.8	65.8	65.8	65.3	8.59	65.8		5	5	65.8	65.8	65.8
00 AI	60.7	65.	65.2	65.2	65.8	65.8	65.8	65.8		65.8	65.8	65.8	65.8	65.8	65.8	65.8
	61.9	96.	66.5	66.5	67.1	67.1	67.1	67.1	67.1	•	67.1	67.1		67.1	67.1	67.1
1 7000	63.9	68.	68.4	68.4	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
1	63.9	68.		68.4		6	0.69				•	6	0	5	0.69	0.69
2000	65.8	7	72.3	72.3	72.9	72.9		2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
1	66.5	72.	3.	72.9	73.6	13.6	73.6			3	73.6	73.6	73.6		73.6	
171	66.5		72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
1	67.7	73.		74.2	74.8		74.8	74.8	74.8	74.8	3.4%	14.8	14.8	4.	74.8	74.8
3000	58.4	-	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
	69.7	76.		76.00	78.1		78.1	78.1	78.1		78.1		78.1	78.1	78.1	78.1
7 2000	69.7	76.1	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1	70.3		78.1	78.1	4.66	4.61	10.4	79.4	79.4	79.4	4.64		4.61	6	79.4	19.4
1500	72.9	81.9	82.6	82.6	83.9	63.9	83.9	83.9		83.9	83.9	83.9	83.9	15	83.9	83.9
	73.6		83.2	83.2	84.5	84.5	84.5	84.5	2. 4. 5	84.5	84.5		84.5	84.5	84.5	84.5
1000	101		87.1	87.7	89.0	89.0	89.0		0.68	89.0	98.0	89.0	89.0	6	0.68	
	75.5	86.5	87.1	87.7	89.0	•	89.0	89.0	0.68	89.0	89.0	0.68		0.68	89.0	89.0
8	75.5		88.4	0.68	6006	80.3	80.3	80.06	80.3	8006	8006	80.3	90.3	80.3	90.3	90.3
	76.1		89.0	80.7	91.0	91.0	0.16		91.0	91.0	0.16	0.16	91.0	91.0	91.0	91.0
8		8.06	91.0	91.6	93.6	93.6	93.6	93.6	94.2	2.46	3.46	2.46	34.5	84.2	34.5	84.2
	9		91.6	92.3	2.46	94.2	94.2	84.8	8.46	8.46	94.6		8.46	8.46	94.8	8.46
004	76.8	0.16	92.3	95.9	8.56	95.5	95.5	1.96	8.96	4.16	4.76	4.16	4.16	97.4	4.16	97.4
	0		92.3	92.9	8.76	95.5	95.5	8.96	4.16	7.86	48.7		98.7	98.7	7.86	98.7
7 200	76.8	91.0	92.3	65.6	94.8	95.3	95.5	96.8	4.16	7.86			4.66		4.66	4.66
	.0		92.3	0	8.75		98.5	96.8	4.16	98.7	4.66	4.66	4.66	4.66	4.66	4.66
١٨١	0	91.0	92.3	65.6	8.46			96.8	4.16	7.86			99.41	100001	0.001	100.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1.2 HOURS (1.5.T.) DEC

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		*	5	100	10	-	4	0	0	m	9	0	8	ac	-	0	~	m	01	m	+	~	(5)	-	n.	10	_	-	*	0	0	0	6
	٨١	59.	66.	99	99	67.	68.	71.	71.	72.	*	3,	•	9			81.			85.			92.	92.		65.		98.	1.66	00	000	00	00
	λI	7.65	60.99	69.99	6.99	67.1	4.89	71.0	71.0	72.3	73.6	13.6	76.8	76.8	78.1		81.3	83.9	85.2	85.8	88.4		92.3	8.76	2.56	62.5	1.96		4.66	00.00	00.00		00.00
	> 5/16	4.65	66.5	66.5	66.5	67.1	4.89	71.0	71.0	~	73.6	13.6	76.8		78.1	0	81.3	83.9	85.2	8 9 8	88.4	6006	92.3	6.76		85.5			4.66	00.00	0	10.00	10.00
	% Al	9.65	60.5	66.5	66.5	67.1	4.89	0.17	71.0	72.3			76.8	16.8	78.1	0	•		85.2	85.8	88.4	8006	65.3	6.26	34.5	95.5	96.1	98.1			00.00		00.00
	* Al	6	.9	66.5	9		68.4	-	71.0	72.3		13.6		16.8	78.1	0	81.3		5	85.8	88.4	0		92.3			1.96		7.66	0	00.00		00.00
	% AI	4.65	66.5	66.5	66.5	67.1	4.89	71.0	71.0		73.6		76.8	76.3	78.1	0	81.3		85.2	85.8	88.4	90.3	92.3	92.3	2.46	95.5	1.96	1.86	4.66	00.00	00.00	00.00	00.00
(S)	Ā	59.4	66.5	66.5	66.5	67.1	4.89	71.0	71.0	72.3		73.6			78.1	0	81.3	83.9		85.8	88.4			65.3	34.5	95.5	96.1	98.1	4.66	00.00	•	00.00	00.00
VISIBILITY (STATUTE MILES)	۷I ۲	59.4	60.9	66.99	66.5	67.1	4.89		71.0	12.3	73.6		76.8		78.1	0	81.3		85.2		4.88		92.3		3.46	95.5	1.96	98.1	4.66	00.00	00.00	00.00	00.00
BILITY (STA	۷۱ ۶۲	\$ 65	66.99	66.5	. 9	67.1	7.89	71.0	71.0	72.3	9	73.6		76.8	78.1	0	-	83.9	85.3	85.8	\$ 68	90.3	2	92.3		6.56		98.1	4.66	00.01	00.00	00.00	00.00
VISI	۲۵ ۱۸	9.65	66.5	66.5	6.99	67.1	4.89	71.0	71.0	72.3	73.6	73.6	76.8	76.3	78.1		61.3	83.2	84.5	85.2	87.7	89.7	91.6	9.16	93.6	04.0	95.3	4.16	7.86		98.71		98.71
	2 2%	59.4	66.5	66.5	0	67.1	5.80	11.0	71.0	12.3	73.6	13.6	76.8		7.8.1	•	81.3	83.2	84.5		87.7	0	91.6		93.6	. 4	94.8	96.8	4.7.6	0	4. 16		4.16
	N N	59.4	66.5	66.5	66.5	67.1	68.4	71.0	71.0	72.3	73.6	73.6	76.8	76.8	78.1	90.0	81.3	83.2		85.2	87.7	89.7	91.6	91.6		34.5	8.56	1.96	8.96	86.8	8006	9	96.8
	4	59.4	66.5		66.5	67.1	68.4	71.0	71.0	72.3	73.6		76.8			80.0	-	83.2	*		1.	89.7	93.6		93.6	34.5		0.00	95.5		95.5	•	95.5
	۸I	4.65		66.5					711.0						77.4		80.7		•		87.1		•			93.6	93.6			93.0	93.6	93.6	93.6
	φ Λ!	58.7	65.8	65.8	65.8	66.5	67.7	70.3	70.3	71.6	72.9	72.9	76.1	76.1	76.8	78.7	80.0	81.9	83.2	83.9	86.5	4.88	90.3	8.06	92.3	92.9	65.6	6.26	6.26	6.76		6.26	•
	2																		19.4	30.0		3.5	84.3	84.5	3	84.5		34.5	. 4		*	5.40	
CEILING	(FEE)	NO CEILING	≥ 20000	≥ 18000	≥ 16000		≥ 12000		000		7000		2 2000		1 1		3000		7 2000		1500		000		800		9	200	2 400		700	8	

TOTAL NUMBER OF OBSERVATIONS

888

DIRNAVOCEANMET SMOS

12595-96181

DALLAS, TEXAS

10666

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

93901 STATION

1.5 HOURS (1.5.T.)

DEC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	01 71	۰ ۸۱	\$ 1	7 4	۶ ۱۸	≥ 21/2	2 4	۷۱ ۲۲	VI 2/1	- AI	% AI	* 1	N N	≥ 5/16	VI Z	۸۱
		61.9		62.6	62.6	62.6	9.29	62.6	62.6	62.6	62.6			62.6	62.6	62.6
× 20000	•		72.3	72.9	72.9	72.9	72.9	72.9	2		•	72.9	72.9	72.9	72.9	72.9
	-			72.9	72.9	72.9	72.9	72.9	72.9	72.9				72.9	72.9	72.9
7 16000	-	72.3		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
				73.6	73.6	13.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
> 12000			73.6	74.2	74.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
	75.5	76.8	76.8	77.4	77.4	17.4	77.4	77.4	77.4	77.4	77.4	77.4	4.11	77.4	77.4	77.4
000 AI	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
			78.7	19.6	79.4	19.4	4.61	4.64	79.4	79.4	4.64	19.4	4.64	19.4	79.4	79.4
7000		80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
	79.4	80.7	80.7	81.3	81.3	61.3	81.3	81.3	81.3	81.3	-	81.3	81.3	81.3	81.3	81.3
2 2000	79.4	80.	80.7	81.3	81.3	61.3	81.3	81.3		81.3	81.3	81.3	81.3	81.3	81.3	81.3
		81.	81.9	83.2	83.2	3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
4000	80.7	82.	82.6	60	34.5	04.5		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	6.10		83.9	5.5	86.5	96.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000	81.9		84.5	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
> 2500	82.6		85.2	86.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
× 2000	83.5		3	87.1	88.4	88.4	4 - 83	88.4	88.4	88.4	\$8.4	88.4		88.4	88.4	88.4
	83.2	85.8		-	00	00	\$ 8 · 4	38.4	88.4	88.4	4.88	88.4		***	88.4	88.4
≥ 1500	2			89.7	91.6	91.6	91.6	91.6	91.6	91.6		91.6	91.6	91.6	91.6	91.6
		89.0	6		2	2	92.3	92.3	92.3	65.3	2.	65.3			95.3	92.3
1000	65.8		6006	2.	84.5	34.5	3.46	34.5	34.5	2.46			2.46	84.2	84.5	34.5
8	55.00	200.1	90.3		*	4	2.56		4					;		2.46
	5		0.16	65.6	95.5	95.5	95.5	65.5	95.5	3	2	2	2	95.5	2	95.5
	5	90.3	91.6		9	.0	8.96		8006		96.8	8.96	96.8		8.96	
009			91.6	93.6	96.8	4.16	98.1	98.1	98.1	98.1	98.1	98.1		98.1	1.86	98.1
200	5	.0	91.6		9	4.16	98.1	98.1				98.1	1.86	98.1	98.1	98.1
400		80.3	91.6	93.6	8.96	4.1.6	98.1	98.7		7.86	7.86	98.7	7.86	98.7	28.1	98.7
30	5	0	91.6		0	4.7.4	98.7			0000		100000	0	10000	0.00	0.00
	5	0	91.0	93.6	96.8	4.16	98.7			0.00	10000		0	00.00	0000	0.00
VI 8	30	90.3	91.0		9	•		4.66	0	·	•		0		0	0.00
- 1	0	0	916	93.6	90.96	97.4	98.7	99.4	4.66	0.00	0.001	00.00	00.00	00.00	0000	00.00

TOTAL NUMBER OF OBSERVATIONS

155

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

XAS

73

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC MONTH 1.8 MOUNS (1.5.7.)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	5	9	so Al	4	e Al	2 2%	7	۲۱ ۲۲	VI 2/2	-	% AI	*	22	≥ 5/16	VI 3	٨١
NO CEILING			00		6	0.60	0.69	6	0.69	6	0.69	•		0.69	0.69	6
20000	10.3		•	12.9	72.9	N	•	2	•		•	12.9	12.9	72.9	•	72.9
7 18000	•	77.6	12.3		72.9	•	•	•	5.2	•	•			•		72.9
			1.50%	13.0				2			3.0	200	2	•	•	13.0
≥ 14000	12.3	13.6	74.5	74.00	74.0		74.8	74.8	74.8	74.8	74.0	14.8	14.8		74.8	74.8
	73.6		75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
	75.5	76.8	77.4	78.1	78.1		78.1	78.1	78.1	78.1	78.1	78.1	70.1	78.1	78.1	78.1
0006 ~1	75.5	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1		78.1	78.1	78.1
	77.4	78.7	19.4	80.0	80.0	ċ	0.00	80.0	80.0	80.0	80.0		80.0	0	0	0.08
1 7000	77.4	78.7	19.4	80.0	80.0	90.0	•	80.0	60.0	80.0	90.0	80.0	0	80.0	80.0	80.0
	7.8.7	80.0	80.7	81.3	81.3	61.3	81.3	81.3	61.3		81.3	-	81.3	61.3	81.3	81.3
2000	80.0	81.3	81.9	82.6	82.6	95.0	82.6		82.6	82.6	82.6	95.6	82.6		95.8	82.6
1		82.6	2	83.9	83.9	63.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1 4 1 4 1 4 1	83.2	84.5	85.	89.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	35.8	85.8	85.8	85.8	85.8
		84.5	00	88.8	85.8		85.8	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
3000		84.5	83.	86.5	86.5	96.5	86.5	86.5	•	86.5	86.5	86.5	86.5		86.5	86.5
		84.5	100	86.5	86.5	.0	86.5	86.5		.0	86.5		86.5	9		86.5
7 2000		85.8	87.1	87.1	87.7	87.7		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	63.9	85.8	87.	87.7	87.7	87.7	87.7	87.7		87.7				-		87.7
≥ 1500		88.4	90.3	91.0	0.16	91.0	0.16	91.0	91.0	-	91.0	016	91.0	91.0	91.0	91.0
		\$ 88.4	0.16	91.6			91.6	91.6	91.6	-	91.5	-	91.6	-	91.6	91.6
1000		88.4	0.16	91.6	91.0	-	91.6	-	91.6	-	9.16			•	•	91.6
00 AI		0.68	91.				92.3	2	2		95.3	3	92.3	5.	5	
		0.68	92.3	2	65.6	2	6.26				6.26		65.6	65.6	6.26	
		0.63	92.	65.0	65.6	92.9	93.6	93.6	93.6	3	93.6					93.6
009		89.7	65.6	93.6	93.6	34.5	8.45	6.56	95.5	95.5	95.5	95.5	95.5	2	92.5	95.5
		89.7	93.6	6.46	2.46	*	98.8	96.1	96.1	96.1	96.8		96.8	96.8	96.8	8.96
VI 400	86.5	89.7	93.6	2.56	34.5	94.8	9.96		98.1		7.86		4.66	4.66	4.66	4.66
		89.7	93.6	64.5	94.2	*	96.8	38.1		98.1	1.86		4.66	4.66	4.66	4.66
7 200	86.5	89.7	03.6	34.5	84.5	94.8	96.8	98.1	98.1	98.1	1.86		100.001	10.00	00.00	0.00
VI 81	86.5	89.7	63.	94.2	34.5	4	8.96		1.86				0	0.0	0000	0.00
٨١		89.7	93.6	94.2	84.2	94.8	96.8	98.1	98.1	98.1	7.86	98.7	100.00	00.00	0.00	00.00

TOTAL NUMBER OF OBSERVATIONS

155

188

DIRNAVOCEANMET SMOS

12595-06191

106E6

191

977/

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

DEC

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES						
(FEET)	N 2	۰ ۸۱	VI S	VI	N Al	1 2 %	71	V1 V2	¥1 VI	- AI	% AI	*	% AI	2 5/16	VI Z	٨١
NO CEILING	66.5	7.79	70.7	707	10707	7.03	67.7	67.7	57.7	67.7	57.7	7073	70.7	70.3	70.7	57.7
7 18000	0.69	70.	0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	10.3	70.3	70.3	70.3
≥ 16000	69.0	70.		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2 14000	69.7	71.	71.0		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	7100	71.0
	2.47	25	77.	13.5	15.5	13.0	15.5	77.5	13.5	15.5	13.5	13.5	13.5	15.5	13.5	13.5
VI VI 8 8	76.1		77.4	77.4	17.4	77.4	77.4	77.4	77.4	17.4	17.4	77.4	77.4	77.4	77.	77.4
	78.1	79	79.4	79.4	79.4	79.4		4.64	79.4	79.4		19.4	4.66	79.4	79.4	79.4
7000	78.1		79.	79.4	19.4	19.4	79.4	79.4	79.4	79.4	4.64	79.4	79.4	4.61	79.4	79.4
0009	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0			80.0		80.0	80.0
> 5000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7		80.7	80.7	80.7	30.7	80.7	80.7
¥ 4000	8.1.9	83.2	00	83.2	83.2	83.2	53.2	83.5	83.2	83.2	83.2	83.2	83.5	83.2	83.2	83.2
> 3500	6.18	83.2	83.2	en		6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2		
3000	83.9	- 1	X.	85.2	85.2		85.2	85.2	85.2	85.2	85.2	85.5	85.2	85.2	85.2	85.2
	63.0		30		85.8		85.8	85.8	85.8	85.8	85.8	85.3	85.8	35.8	\$2°	85.8
> 2000	85.08		00	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	85.8			00	87.7	67.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2 1500	87.1	-	00		89.7	90.3	90.3	80.3	90.3	90.3	90.3	8003	0.3	90.3	90.3	90.3
	87.1		00	89.7	29.7		6.06	90.3	90.3	80.3	0	6000	0.3	90.3	90.3	90.3
7 1000	4.80		- 1	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
0% A1	00 4.		0	91.0		91.6	91.6	91.6	91.6		91.6	91.6	91.6	91.6	91.6	91.6
800	88.0	- 1	0	92.3	92.3	92.9	95.9	65.6	65.6	65.6	65.6	6.26	65.6	6.26	65.6	95.9
	0.68		0	92.3	93.6	34.5	34.5	2.46	34.5	34.5	3.46	34.5	2.46	34.5	94.2	2.46
009 A1	89.0	- 1		92.3	93.6	34.5	34.5	94.8	8.46	8.46	94.8	8. 56	94.8	94.8	94.8	94.8
200	89.0	10	a	3.46	95.5	96.1	1.96	96.8	96.8		96.8	8.96	96.8	96.8	96.8	96.8
	89.0	- 1	Or	94.8	1.96	96.8	96.8	97.4	4.16		4.16	4.16	4.16	4.16	4.16	97.4
	89.0		9	8.46	96.8		7.36	4.66	4.66		4.66	7.66	4.66	4.66	4.66	4.66
700	89.0			94.8	8.96	98.1	98.7	4.66	4.66	4.66	3.66	4.66	4.66	4.66	4.66	4.66
V 18	89.0	34.5		8. 46	96.8	98,1	7.86	9.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
^1	99.0	4.	3.46	8.40	96.8	98.1	98.7	4.66	4.66	4.56	4.66	4.66	4.66	4.66	4.66	0.001

STATION

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DALLAS, TEXAS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 S T)

DEC

	٨١	63.6	68.6		68.8	69.4	70.5	73.2	73.4	75.3	76.3	76.6	78.	78.6	19.8	80.			84.	85.	88.6	89.	91.2		92.9	3.46	95.2	96	98.	66	966	.66	00.
	NI N	63.8	68.6								76.3			78.6			81.9		*	85.2	*	6	91.2	-	2		2	.0	98.3	6		20.5	18.66
	> 5/16	63.8	68.6	68.7	68.89	4.69	70.5	73.2	73.4		76.3		78.0	78.6	6	80.8		83.6		85.5						0.46			98.3			2.66	8.66
	25 Al		8	68.7		4.69		73.2			76.3							83.6		85.2			•	91.3			95.5		98.3			9.66	6
	*		8	68.7		4.69	70.5	13.2			76.3					80.8	-	3	*	85.2	÷	0	-		3	*		.0		2.66	4.66	6	4.66
	N N	63.8			8		0			3	76.3	9	3	8	19.8	0	-	83.6	*	85.5	8	0	91.5	:	2			•	98.5	6		7.66	
ES)	ŽĮ.	63.8	68.6			4.69	70.5		73.4	5				8		80.8	-		84.8	3	8		91.2	-		0.46	95.2	96.6	98.2		100	66.3	
ATUTE MIL	VI 2/1	63.8	68.6		68.8		70.5	3					78.0	78.6	19.8	80.8		3	84.8	85.2	8	6	91.2		65.6	•		9	61.6	7.86	8	6.86	3
VISIBILITY (STATUTE MILES	٧١ ٧٧	63.8	68.6	68.7	8		70.5	73.2	73.4		76.3	76.6	78.0	78.6		80.8	-	•	84.8	85.2	•		-	•	95.9	0.46	95.1			98.6	98.8	80	98.8
VISI	7	63.8	68.6		58.8		70.5		73.4		76.3		78.0	3	79.8	0	61.6	3	*	1.59	88.0	0	91.1	-	95.8	•	8.46	96.1	97.1		6.16	6.16	6.16
	> 2%	63.7	68.6	8	68.7	69.3	70.4	13.2	73.3			76.5	17.9	78.6	19.7	0		4. 80	*	85.0	8	30.1	91.1	91.1	92.7		4.46	3.	96.3	8.06	. 9	6.96	0
	es Al	63.7	68.6		68.7				73.3		76.2			78.6	79.7	80.7	81.9		84.7	85.0	88.4		6.06	91.0	95.6	63.3	0.46	2.56	95.8	96.5	6.96	.0	8.96
	4	63.6	\$ 89	68.8		69.1			73.2		76.1		77.7	78.4		0	81.5	83.0	84.3	9.48	87.0	88	4.06	0	-	2	65.6	93.7	94.2	3	5.76		94.5
	8	63.3	68.2	8	68.3	8	70.0	2	72.9	;	75.8	. 9	77.5	8	79.0	80.0	-	82.6	3	84.2	81.5	8	89.8		:	91.8	92.3	95.8		93.6			
	۰ ۱۸	5.80	68.0	68.1	58.5	58.7	8.69	72.6	72.7	74.7	75.7	76.0	77.3	77.8	78.8	19.8	80.8	82.3	83.6	83.9	87.1	87.6	89.2	89.3	9.06	6.06	4.16	91.9	92.2	92.3	92.3	92.3	SV
	2 A1	6.19	66.7	66.8	6.99	67.3	4.89	11.1	71.3	73.2		74.5	75.5	76.1	16.9	6.11	78.7	80.1	81.1	61.3	03.0	34.0	6.49	0.50	85.5	85.6	65.7	85.8	36.0	86.0	0.98	80.0	86.0
CEILING	(FEET)	NO CEILING	1 20000		> 16000		> 12000	1	0006		1 7000		2000	1	4000		3000		1 2000	7 1800	1500		141		008		9		400		9 1 1 1		١٨١

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

MONTH NAD

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SKY COVER

		-
7.00	CALLADO	1066
1200	TAN TO THE WAY	-00%

HOURS					PERCENTAG	E FREQUENC	Y OF TENTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN TENTHS OF	TOTAL
S.T.) 0 1 2	-		2		3	4	5	9	7	8	٥	01	SKY COVER	OBS.
00 43.2 2.6 3.9	2.0		m	6	1.9	3.2	1.9	1.9	3.2	9.	•	36.8	4.5	155
03 43.2 .6 1.	9.		`	m	1.9	1.3	1.3	9.	3.2	1.3	3.2	41.9	5.1	155
06 35.5 3.2 5.	3.2 5	20	3	20	1.9	5.5	1.3	9.	1.9	3.2	1.9	39.4	5.0	155
09 21.3 5.8 4.	2.0	4	4	N.	3.0	3.0	1.9	3.2	2.6	3.5	5.8	43.9	6.1	155
12 27.1 3.2 6.	3.5		6	80	1.3	3.9	3.2	3.2	3.2	5.6	3.2	45.6	5.7	158
15 29.7 5.2 3.	5.2 3.	m		N	5.6	4.5		1.9	5.8	4.3	1.9	40.6	5.5	155
18 27.7 6.5 5.2	6.5			4.1	5.8	5.6	2.6	3.2	3.2	1.9	5.6	38.7	5.3	155
21 43.9 1.9 3.9	1.9		M	~	1.3	1.3	2.6		5.6	4.5		37.4	4.7	155
34.0 3.6 4.3	3.6	-	4.3		2.6	3.2	1.9		3.2	2.7	2.5	40.2	5.2	1240
				1									1	

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SKY COVER

93901 DALLAS,

DALLAS, TEXAS

STATION NAME

73-77

PERIOD

TOTAL	OBS.	141	141	141	141	141	141	141	141		1128
MEAN	SKY COVER	3.7	4.2	8.4	5.8	5.0	5.4	4.9	4.0		8.4
	10	2.92	8.62	35.5	38.3	36.9	34.	24.1	24.8		31.3
	6	1.4	2.1	.7	5.7	7.1	4.0	0.0	.7		3.6
	œ	5.0	2.8	7.1	7.8	4.0	3.5	9.5	4.		5.0
KY COVER	7	2.1	۲.	3.5	5.0	5.1	5.0	5.7	2.8		9.00
OF TOTAL S	9	7.	4.3		1.4	0	2.1	4.0	5.0		3.2
OF TENTHS	5	1.	1.4	.,	2.1	٠.	5.0	4.	2.8		1.9
FREQUENCY	4	2.1	3.	3.5	2.0	4 .		8	2.8		2.8
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	8	4.3	4.9	2.1	1.4	1.4	6.4	0.0	7.1		4.3
	2	5.0	1.4	2.8	3.5	(N)	4.0	2.0	5.0		3.7
	-	5.7	e0 •	6.9	5.7	2.00	4.	8.5	1.4		4.4
	0	9. 9.	44.7	39.0	26.2	27.0	25.5	29.1	43.3		35.2
HOURS	(L.S.T.)	00	03	90	60	21	12	18	21		
n Lincon	WOW I	83									TOTALS

MONTH MAR

8 5

10686 STATION

DALLAS, TEXAS

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155			1240
MEAN	SKY COVER	4.6	5.5	0.0	7.1	9.9	6.5	5.9	6.4			2.9
	10	28.4	41.3	43.2	51.6	41.3	34.8	35.5	33.5			18.1
	6	1.3	3.2	3.9	6.9	5.8	14.8	6.5	6.1			2
	80	4.8	2.6	6.5	3.9	4.	7.1	9.7	e.			0.0
KY COVER	7	5.6	4.5	3.9	9.	6.5	7.1	5.6	6.6			4.4
OF TOTAL S	9	3.9	4.8	es .	5.5	5.	3.0	5.8	9.0		35	4.3
OF TENTHS	5	1.9	1.3		3.2	3.2	1.9	3.2	1.9			2.1
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	5.8	6.1	9.	3.2	3.0	6.8	5.6	5.6			3.4
PERCENTAGE	8	2.2	2.6	7.1	3.9	3.9	3.2	3.5	3.2			0.4
	2	1.3	1:3	1.9	5.6	1.9	1.3	4.5	2.6		,	2.5
		8	1.9	5.6	1.3	6.5	1.9	3.0	5.2			3.3
	0	38.1	34.8	27.1	14.8	13.5	18.7	22.6	35.5			55.6
HOURS	(L.S.T.)	00	60	90	60	12	1.5	60	2.1			15
name of	MON	MAR										TOTALS

PRINTED BY THE STANDAGO MEGISTRA COMPANY, D. S. A.

MONTH APR

SKY COVER

DALLAS, TEXAS 10686

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TINO	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
E NOW	(1.5.T.)	0	-	2	3	4	5	9	7	8	6	10	SKY COVER	OBS.
APR	00	32.0	2.7	0.4	2.0	0.9	2.7		3.3	2.7	2.0	37.3	5.2	150
	03	33.3	2.7	3.3	1.3		3.3	.7	5.0	4.0	5.3	43.3	5.6	150
	90	19.3	3.3		2.7	2.7	4.7	2.7	4.7	0.9	4.0	48.7	6.7	150
	60	18.0	.,	0.4	4.0	4.7	0.4	4.0	 	5.3	7.3	42.7	9.9	150
	12	21.3	3.3	1.3	2.7	1.3	0.4	6.7	6.7	10.0	0.0	34:7	6.2	150
	15	24.7	2.0	1.3	6.	2.7	4.7	0.4	6.7	6.7	0.9	38.0	0.1	150
	18	28.7	3.3	2.7		0.4	4.7	2.0	4.0	4.7	6.7	34.0	5.5	150
	2.1	36.7	8.8	4.0	4.7	2.0	4.1	2.7	4.0	5.0	2.7	33.3	4.7	150
101	TOTALS	26.8	2.7	2.7	3.0	9	4.1	3	4.0	2	5.3	36.0	. S.	1200

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SKY COVER

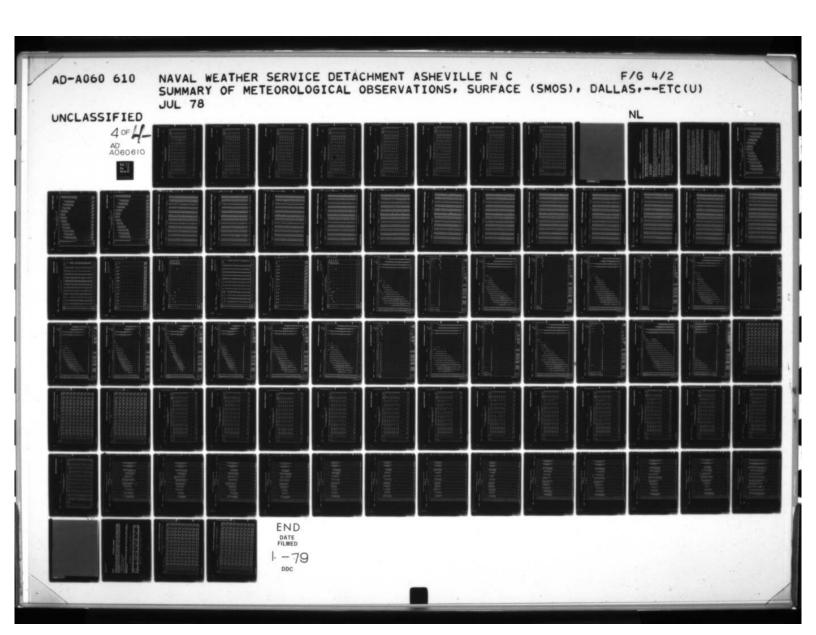
DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

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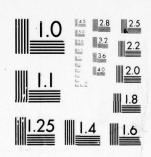
HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	FREQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL
.) 0 1 2 3	1	4	5	9	7	80	٥	10	SKY COVER	OBS.
00 36.8 1.3 4.5 3.2		3.5	4.5	3.9	5.2	7.7	4.5	25.5	4.7	155
03 38.7 2.6 4.5 6.5		3.9	2.5	1.3	64	4.5	9.	29.7	4.4	155
06 16.8 5.2 4.5 7.1		3.5	3.2	4.5	3.9	0.6	5.5	37.4	0.1	155
0.6 20.0 4.5 3.2 9.0		3.2	1.9	5.6	4	7.1	7.1	36.8	0.9	155
12 14.8 2.6 6.5 1.9		7.1	2.	0.0	0.6	14.8	5.2	7.64	0.5	155
15 16.1 2.6 3.2 7.1		2.1	6.5	7.1	6.9	0.6	0.6	2	5.3	155
18 21.3 5.2 5.8 9.0		7.1	5.5	3.5	,	0.6	3.9	24.5	3.	155
21 38.7 3.2 6.5 5.8		2.0	5.6	9.0	8.8	33	2.6	25.2	4.2	155
	-									
25.4 3.4 4.8 6.2		0.	4.1	9.	5.1	4.	**	29.0		1240



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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-4

NONTH

SKY COVER

DALLAS, TEXAS 10656

STATION NAME

73-77

PERIOD

TOTAL	OBS.	150	150	150	150	150	150	150	150		1200
MEAN	SKY COVER	3.2	4.2	5.9	5.6	5.4	5.3	4.2	3.5		4.7
	10	18.0	22.7	28.0	22.0	11.3	15.3	11:3	19,3		16.5
	6	1.	.7	0.	8.7	10.0	6.7	4.0			4.9
	œ	4.7	w.	10.0	12.0	13.3	10.0	9.3	0.4		8.6
SKY COVER	7	5.3	6.7	6.7	7.3	8.0	0.9	0.9	1.3		5.9
OF TOTAL	9	3.3	4.7	2.7	7.3	. 1	8.0	3.3	2.7		5.1
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	5	1.3	2.0	7.3	3.3	13.3	17.3	0.9			6.7
E FREQUENCY	4	2.0	1.9	8.0	0.8	5.3	0.9	6.1	0.8		6.9
PERCENTAG	3	4.7	5.3	3.3	2.7	4.7	0.9	12.0	7.3		5.8
	2	4:7	3.3	0.9	7.3	5.3	5.3	18.0	0.9		7.0
	-	1.3	1.9	4.0	2.7	0.9	0.9	6.3	6.7		5.3
	0	54.0	36.0	16.0	18.7	14.0	13.3	14.0	40.7		25.8
HOURS	(L.S.T.)	00	63	90	60	12	1.3	13	21		STA
	MONTH	S. C.									TOTALS

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SKY COVER

DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

TOTAL	OBS.	154	155	155	155	155	155	155	155		1239
MEAN	SKY COVER	3.3	3.1	5.4	0.4	5.0	5.8	4.7	3.6		4
	01	14.3	13.5	18.1	12.9	14:2	18:7	18.7	15.5		15.7
	6	٠.	1.9	3.9	5.8	5.8	5.8	4.5	5.6		3,9
	œ	30	5.2	11.6	0.6	. e	7.1	5.5	9.9		6.7
KY COVER	7	5.5	4.3	5.8	4.5	7.7	4.6	5.5	5.0		6.1
OF TOTAL S	9	5.2	3.2	3.6	5.5	7.7	7.7	5.5	4.5		
OF TENTHS	5	3.9	5.2	4.8	8.	6.7	17.4	5.00	2.5		4.4
FREQUENCY	4	3.0	2.6	7.1	5.0	12.9	4.6	6.5	10.		7.9
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	3	4.5	5.8	7.6	4.8	11.6	7.6	12.3	4.8		80
	2	3.9	5.8	4.8	7.1	11.0	7.7	12.3	11.0		4.00
	-	5.8	4.5	6.9	4.0	ى ش	3.9	12.9	5.8		6.7
	0	8.94	47.7	18.1	30.3	7.7	5.6	11.6	34.8		25.0
HOURS	(L.S.T.)	00	60	90	60	12	22	1.3	21		
	MONTH	inf									TOTALS

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SKY COVER

DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

PERIOD

TOTAL		155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	3.0	3.3	4.7	4.0	4.0	5.2	4.4	3.5		13
	01	13.5	13.5	17:4	14.8	12.3	10.3	16.1	11:0		13.6
	٥	1.3	1.9	7.1	9.7	2.	4.	4.5	2.0		5.0
	8	8.8	7.7	7.1	3.9	6.5	0.6	6.5	8.4		6.9
KY COVER	7	4.5	3.9	7.1	3.5	5.8	7.7	8.8	4.5		100
OF TOTAL S	9	1.3	5.8	4.5	3.5	0.6	6.3	8.0	6.9		×.
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	5	3.2	1.3	5.5	6.6	10.3	15.5	4.5	7.1		6.7
E FREQUENC	4	3.2	3.9	6.8	7.7	4.6	14.8	7.7	3.9		7.2
PERCENTAG	3	7.1	6.5	7.1	3.9	9.7	4.6	0.6	\$.5		7.0
	2	5	3.9	4.6	2.5	11.0	5.0	10.3	6.5		7.2
	1	0,	3.9	6.3	6.5	4.8	4.5	6.9	5.8		20
	0	51.0	47.7	21.9	35.5	12.9	0.6	23.5	39.4		30.1
HOURS	(L.S.T.)	00	60	90	60	12	1.5	18	17		SIN
THO I	HINOW.	AUG									TOTALS

MONTH SEP

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10666

DALLAS, TEXAS

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	150	150	150	150	150	150	150	150		1200
MEAN	SKY COVER	4.1	3.7	5.3	5.6	5.8	5.7	4.9	0.4		0.4
	10	23.3	25.3	34.0	31.3	26.0	22.7	24.0	22.7		26.2
	٥	3.3	2.0	2.7	0.8	0.0	8.7	4.7	2.0		1.
	æ	5.3	.7	2.0	6.6	6.7	0.8	8.0	0.4		2
KY COVER	7	4.7	3.3	6.7	4.7	12.0	0.9	0.9	4:7		
OF TOTAL S	9	4.7	2.0	5.3	2.0	1.9	7.3	0.4	4.7		
OF TENTHS	5	2.7	3.3	4.0	4.7	0.9	7.3	3.3	6.7		4
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	2.1	0.0	2.7	3.3	6.0	8.0	1.3	5.0		2 - 2
PERCENTAGE	3	3.3	0.9	10.	1.3	6.7	11.3	6.7	3.3		1.9
	2	3.3	2.7	0.0	7.3	0.9	2.7	12.0	3.3		3.6
	1	2.7	3.3	0.0	0.4	0.9	6.7	6.6	0.4		5.5
	0	0.44	47.3	22.7	24.0	12.7	11.3	20.7	42.7		28.2
HOURS	(L.S.T.)	00	60	90	60	1.2	2	18	21		SI
n in the second	WINDW.	SEP									TOTALS

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SKY COVER

93901 STATION

STATION NAME DALLAS, TEXAS

73-77

PERIOD

TOTAL	085.0	155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	3.5	4.0	5.1	5.4	5.0	8.4	4.2	3.2		4.
	10	22.6	28.4	37.4	37.4	27.7	26.5	22.6	20.0		27.9
	6	3.2	4.5	2.6	3.9	4.5	4.5	5.5	1,3		5.7
	æ	2.0	1.9	9.6	4.5	4.1	4.5	7.1	5.6		0.0
KY COVER	7	3.2	1.9	3.2	5.8	5.6	5.2	5.6	5.6		3.3
OF TOTAL S	9	3.9	1.3	5.6	9.	3.2	3.9	3.2	9.		4.5
OF TENTHS	2	1.3	1.3	1.9	3.5	6.4	6.5	5.6	•		2.7
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	1.9	5.5	1.3	5.6	4.	1.9	1.9			2.8
PERCENTAGE	8	1.3	9.5	3.2	4.5	4.5	7.7	4.5	3.9		0.4
	2	3.2	5.6	5.2	4.8	9.6	5.8	4.5	5.6		0.4
	-	5.5	1.9	4.5	3.9	1.9	4.5	6.5	3.9		0.4
	0	51.6	48.4	34.5	29.7	32.9	29.0	39.4	36.00		40.0
HOURS	(L.S.T.)	00	60	90	60	12	15	16	2.1		
1111011	MON	100									TOTALS

MONTH NON

SKY COVER

DALLAS, TEXAS 10666 STATION

STATION NAME

73-77

PERIOD

1.3 4. 5 6 7 8 9 10 1.3					PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
7 4.0 4.0 3.3 1.3 2.0 3.3 4.0 1.3 32.7 7 3.3 2.0 2.7 4.7 2.7 4.0 2.0 38.7 7 2.7 5.3 1.3 1.3 2.0 2.7 4.0 36.7 9 4.7 2.7 2.0 2.7 4.0 4.7 4.0 44.7 10 4.7 2.7 2.0 2.7 4.7 1.3 6.0 4.7 35.3 2 4.0 2.0 2.0 2.7 4.0 6.7 2.0 35.3 3 6.7 4.0 2.7 4.0 6.7 2.0 31.3 4 4.0 2.0 2.0 4.0 6.7 2.0 31.3 4 4.0 2.0 4.0 4.0 6.0 2.0 31.3 4 4.0 2.0 2.0 4.0 4.0 5.0 31.3 5 4.0 2.0 4.0 4.0 5.0 31.3 6	0		-	2	3	4	5	9	7	8	6	01	SKY COVER	OBS.
3 1;3 4,7 4,0 4,7 2,7 4,0 2,0 2,0 38;7 7 2:0 2:7 .7 2:0 2:7 4.0 .7 44;7 7 2:7 2:0 2:7 4.0 2:7 4.0 4.0 44;7 3 7:3 4:0 3:3 2:0 5:3 3:3 6:0 4:0 4:0 4:7 1:3 6:0 4:0 4:0 4:0 4:0 4:0 4:0 2:0 32:3 32:0	43.3			4.0	4.0	3.3	1.3	2.0	3.3	4.0	1.3	32.7	4.5	150
7 3:3 2:0 2:7 .7 2:0 2:7 4:0 .7 44:7 2:7 5:3 1:3 1:3 2:7 5:3 2:7 4:0 44:7 3 7:3 4:0 3:3 2:0 5:3 3:3 6:0 4:7 35:3 7 4:0 2:0 .7 2:0 4:0 2:7 4:7 1:3 28:0 8 6:7 4:0 2:0 .7 2:0 4:0 2:7 4:7 1:3 28:0 8 6:7 4:0 2:0 .7 2:0 4:0 2:7 4:7 1:3 28:0	36.7	- 1	-	1.3	4.7	0.4		4.7	2.7	4.0	2.0	38.7	5.2	150
7 2:7 5.3 1.3 1.3 2.7 5.3 2:7 4.0 44:7 9 4:7 2.7 2.0 2.7 4.7 1.3 6.0 4.7 35:3 3 7:3 4.0 3.3 2.0 5.3 3.3 6.0 2.0 32:7 7 4:0 2.0 .7 2.0 4.0 2.7 4.7 1.3 28:0 7 4:0 2.0 .7 2.0 4.0 2.7 4.7 1.3 28:0 8 6:3 3.6 0.3 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	34.7		2.7	3.3	2.0	2.7	.7	2.0	2.7	4.0		44.7	5.4	150
0 4.7 2.0 2.7 4.7 1.3 6.0 4.7 35:3 3 7.3 4.0 3.3 2.0 5.3 3.3 6.0 2.0 32.7 3 6.7 4.0 1.3 2.0 2.7 4.0 6.7 2.0 31.3 7 4.0 2.0 .7 2.0 4.0 2.7 4.7 1.3 28.0 3 4.3 3.6 3.3 3.5 4.8 2.3 36.0	27.3			2.7	5.3	1.3	1.3	2.7	5.3	2.7	4.0	44:7	5.9	150
3 7:3 4:0 3:3 2:0 5:3 3:3 6:0 2:0 2:0 2:0 32:7 3 6:7 4:0 1:3 2:0 2:7 4:7 2:0 31:3 4:0 2:0 -7 2:0 4:0 2:7 4:7 1:3 28:0 3 4:0 2:3 4:6 2:3 36:0	32.0		4.0	4.7	2.7	2.0	2.7	4.7	1.3	0.9	4.7	35.3		150
3 6.7 4.0 1.3 2.0 2.7 4.0 6.7 2.0 31.3 7 4.0 2.0 .7 2.0 4.0 2.7 4.7 1.3 28.0 8 4.0 2.3 1.5 3.5 3.7 4.8 2.3 36.0	30.7		3,3	7.3	4.0	3.3	2.0	5.3	8.3	0.9	2.0	32.7	5.0	150
7 4.0 2.0 .7 2.0 4.0 2.7 4.7 1.3 28:0	30.0			6.7	4.0	1.3	2.0	2.7	0.4	6.7	2.0	31.3	3.	150
3 4.8 2.3 36.0	48.0		2.7	4.0	2.0		2.0	0.4	2.7	4:7	1.3	28.0		150
3 4.3 3.6.0														
3 4.3 3.6 2.3 1.5 3.5 3.7 4.8 2.3 36.0														
	35		3.3	6.4	3.6	2.3	1.5	3.5		2.4	2.3	36.0	5.0	1200

MONTH DEC

SKY COVER

STATION NAME DALLAS, TEXAS 10666 STATION

73-77

PERIOD

TINON	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
-	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	01	SKY COVER	NO. OF
250	00	46.5	4.5	3.9	3.9	2.6	1.3	1.9	9.2	2.6	2.6	7.72	3.9	155
	03	49.7	3.5	3.9	1.9	3.6	1.3	5.6	•	80		28.4	3.8	155
	90	46.5	3.2	5.6	5.6	5.6	9.	1.3	2.0	1.9	1.3	34.8	4.3	155
	60	31.0	5.5	3.9	1.9	1.3	1.9	3C	3.2	3.5	7.1	35.5	5.4	155
	23	31.0	5.2	1.9	2.2	3.0	1.9	5.6	3.9	6.5	3.2	4.	5.2	155
	15	31.6	5.5	5.5	3.9	1.3	5.6	8.8	80 80	5.5	5.5	28.4	4.9	155
	13	31.0	6.5	3.8	6.0	3.9	8.	4.5	4.9	4.5	2.5	24.5	4.6	155
	21	43.2	3.9	3.2	5.6	4.5	1.6	4.5	6.5	3.9	9.	25.2	4.1	155
TOTALS	S	38.8	4.6	3.8	3.2	2.8	2.2	3.6	3.7	4.2	3.2	29.9	4.5	1240

MONTH ALL

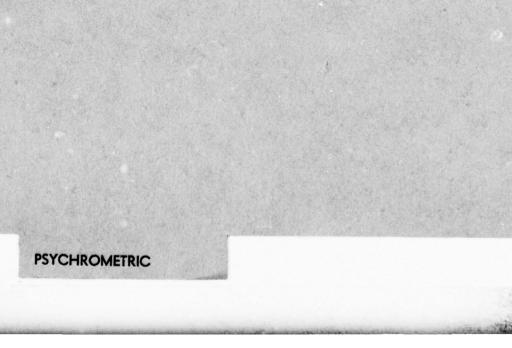
SKY COVER

DALLAS, TEXAS 93901 STATION

STATION NAME

73-77

HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN	TOTAL
0 1 2			6	8	4	5	9	7	œ	6	10	SKY COVER	OBS.
34.0 3.6 4.3 2.	6.4.3	m	~	9.2	3.2	1.9	1.8	3.2	2.7	2.5	40.2	5.2	1240
35.2 4.4 3.7 4	4 3.7		*	6.9	2.8	1.9	3.2	3.8	5.8	3.6	31.3	4.8	1128
25.6 3.3 2.2 4	3 2.2		4	0.4	3.4	2.1	*	4.4	9.9	5.5	38.7	5.9	1240
26.8 2.7 2.7 3.	7 2.7		m	3.0	3.0	4.1	3.5	4.6	5.5	5.5	39.0	8.8	1200
25.4 3.4 4.8 6	4.0	_	0	2.9	3.0	4.1	3.9	5.1	4.8	8.	29.0	5.3	1240
25.8 5.3 7.0 5.8	3 7.0		*	00	6.3	2.9	5.1	5.9	8.6	6.4	18.5	4.7	1200
25.0 6.7 8.4 8.8	7 8.4		80	00	6.2	7.4	5.5	6.1	6.7	3.9	15:7	4.3	1239
30.1 5.8 7.2 7.0	8 7.2		1.	0	7.2	2.0	5.3		6.9	5.0	13.6	4.1	1240
28.2 5.3 5.4 6.1	3 5.4		9	-	3.7	4	4.3	0.9	5.5	4.7	26.2	6.4	1200
4 0.4 0.4 0.04	0.4.0		4	4.0	2.8	2.7	4.5	3.3	5.0	3.7	27.9	4.4	1240
35.3 3.3 4.3 3.6	3 4.3			0	2.3	1.5	3.5	3.2	8.4	2.3	36.0	5.0	1200
38.8 4.6 3.8 3.2	9.8		n	N	2.8	2.2	3.6	3.7	4.2	3.2	56.6	4.5	1240
30.9 4.4 4.8 4.9	8.4		4	•	4.1	€. 80	8.6	4.6	8.6	4:	28.8	6.4	14607



NWSD, Federal Building Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- . Daily maximum temperature
- Daily minimum temperature
 - c. Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: ä
- . Extreme maximum temperature Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, depression in 17 classes spread norizontally; by 2-degree intervals of dry-bulb temperature vertically. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.

A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means $(\sum X)$, and standard deviations (σX) . The number of observations used in the computations for each element is also shown. ò
- 무 dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. :

Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
- b. Wet-bulb temperature
- . Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. þ.
- The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. ments and horizontally by eight wind directions (plus calm). .9

DAILY TEMPERATURES

45-77 DALLAS, TEXAS
STATION NAME 93901 STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

110 100 110 100 110 100 110 110		100000000000000000000000000000000000000	100 69 69 11 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20.02	W (1)	- 2	9	-				0.
100 95 90 85 90 85 80 1,7 75 80 1,7 75 80 1,7 75 80 1,7 75 80 40 80 40 80 40 80 40 80 40 80 40 80 40 80 40 80 40 80 40 80 40 80 80 80 80 80 80 80 80 80 8			100 00 00 00 00 00 00 00 00 00 00 00 00	200	200	2 4	8 4	-				4.
16.04 16.04 16.04 26.55 26.55 40.88 27.66 97.62 99.66 100.00			00 00 00 00 00 00 00 00 00 00 00 00 00	20.4	C C C	3 . 4 .				-		
16.04 26.55 26.55 40.88 40.88 54.3 67.6 97.2 98.8 99.6 100.0			9997.21	20.0	4 65	100	27.0	0				5.4
100,00 100,00 100,00 100,00 100,00 100,00			00 00 00 00 00 00 00 00 00 00 00 00 00	20.4	3	66.5	62.8	23.8	1.6			16.1
100,00 100,00 100,00 100,00 100,00 100,00			999-22 1 999-99 00 00 00 00 00 00 00 00 00 00 00 00 0		40.0	88.2	88.1	30.3	9.6	7		27.9
100.0			999.3	33.6	89.2	96.3	96.8	71.6	30.2	2.0		38.9
16.0 26.5 40.8 40.8 54.3 76.6 92.0 98.8 100.0			99.3 99.3 99.9	76.00	90.06	99.1	0.66	0.70	33.4	10.9	1.7	49.3
16.0 26.5 40.8 40.8 76.6 92.0 98.8 100.0			99.2	60.68	1.66	6.66	8.66	65.00	72.3	26.0	7.0	58.9
26.5 40.8 40.8 76.6 98.8 100.0			99.9	96.1	9.66	100.0	-	4.80	85.4	44.1	18.0	68.0
85.3 76.6 76.6 98.8 99.6 100.0			99.3	98.6	66			99.5	95.6	610	33.4	76.0
54.3 67.6 85.3 97.2 98.8 100.0			99.3	66.1	100.0			4.66	97.1	74.9	6.64	6.28
67.6 76.6 85.3 97.2 99.6 100.0			100.0	6.66				100.0	98.9	85.8	68.69	88.5
76.6 85.3 92.0 97.2 99.6 100.0			0.001	100.0					99.6	92.3	78.2	92.6
889.3 97.2 98.8 100.0			0.001						100.0	6.96	68.0	7.56
92.0 97.2 98.8 99.6 1										2.66	8.76	97.8
97.2 98.8 99.6 1		10001								6.66	98.2	0.66
5 98.8 0 99.6 1										100.0	80.66	49.7
5 100,0											6.66	6.66
5 100,	0.00										100,0	100.0
												100.0
The second secon												
			1 11									
25	2	0.	76.5		91.0	62.6	25.9	88.4	0.67	999	E	76.0
S.D. 13.50311.		1.702		2000	3.12	\$ 604	5.708	1.684	8.953	0.8591	1.262	16.905
TOTAL OBS. 990	606			į.	066	766	1023	066	1023	1023 989	1	11924

NAVWEACEDVCOM

DAILY TEMPERATURES

DALLAS, TEXAS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

ANNUAL	1	3.3	15.6	28.5	36.3	47.8	55.8	63.6	71.5	79.7	87.9	63.6	97.4	0.66	90.66	66.66	100.0	100.0	100.0																	55.6	16.605	11918
DEC.					.7	2.7	6.2	11.5	22.1	39.6	63.5	82.2	92.9	97.5	99.66	100.0																				37.9	119.6	266
NOV				4.			19.3	31.9	49.7	0.69	85.7	95.1	98.9	99.8	10000																					2.64	0.147	686
OCT.			1.6	8.1	21.7	42.7	61.0	77.3	91.4	97.8	99.7	100.0																								57.1 45.2	0269	1023
SEP.				4.7.4	70.0	8 . 8 . 8	98.8	0.66	100.0																											61.9	7.109	066
AUG.	4	17.6	56.2	89.1	98.1	100.0																														15.0	666.4	1023
JUI.	*	16.0	68.3	94.5	0.66	8.66	6.66	100.0																											+	1 1	3.040	1
NO.		4.2	37.9	71.1	90.8	97.2	4.66	100.0																												71.9		1
MAY			3.6	24.1	51.1	76.4	89.5	97.0	90.8	6 66	100.0																									0.49	216.9	1021
APR.			60	_	17.1	39.7	50.5		98.7	98.9	99.2	100.0																								0.99		
MAR.				-	23	10.4	21.6	33	55.2	73.2	66.9	98.3	98.6	90.66	99.8	100.0																				46.1	0.143	
FEB.					. 1	2.1	7.4	15.3	27.5	48.4	57.1	83.1	94.5	98.9	99.6		100.0																			0.6	~	903
JAN.					, 1	1.6	5.5	11.3	8	31.4	6.64	69.5	63.3	92.4	96.7	99,1	1.66	666	100,0																	34.8	11.040	066
TEMP (°F)	500	90	75	70	65	09	55	50		40	35	30	23	30	1.8	30	100	0	3-																	MEAN	S. D.	TOTAL OBS.
	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	ΛI	٨١	٨١	ΛI	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	٨١	ΛI	٨١			

DAILY TEMPERATURES

DALLAS, TEXAS 93901 STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

ZEAZ

10 10 10 10 10 10 10 10														
90 90 90 90 90 90 90 90 90 90 90 90 90 9									6					2.
85							en en	20.6	23.3	2.0				4.2
80						2.0	36.9	70.0	61.0	19.0	5.			15,9
75 4.6 1.1 3.5 14 4 52.2 91.4 99.2 99.1 72.0 24.6 2.4 65.5 65.5 65.5 65.5 65.5 65.5 65.5 65				2		20.8	72.1	91.8	61.6	48.0	6.7			28.0
70 4.6 11.6 11.4 39.0 72.3 100.0 99.6 89.9 46.8 89.8 11.7 1 4.2 8.2 24.2 24.2 99.7 100.0 99.8 89.9 46.8 21.2 24.2 24.2 24.2 24.2 24.2 24.2 24.2			-	56	14.4	52.2	91.4	2.66	99.1	72.0	24.6		. 1	38.
65 4,2 8,2 24,2 62,2 91,7 99,7 100,0 97,2 69,8 21,2 25,2 21,3 24,4 97,6 100,0 97,2 100,0 97,2 21,5 24,4 97,6 100,0 97,2 21,5 24,4 97,6 100,0 97,2 21,5 24,4 97,6 100,0 98,7 74,9 98,7 74,9 98,8 14,0 98,7 98,9 98,8 14,0 98,7 98,9 98,9 98,1 100,0 98,9 98,1 100,0 98,7 74,9 98,4 100,0 98,7 74,9 98,4 100,0 98,9 98,8 14,0 98,7 98,4 100,0 98,9 98,4 100,0 98,4		9.	9	11.4	39.0	400	97.	100.0	8.66	6.68	46.8		1.6	48.5
55 21.2 32.4 61.6 80.4 97.6 100.0 99.3 84.8 36.4 95.5 21.2 32.4 61.8 92.4 99.5 100.0 99.3 100.0 99.3 56.4 95.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5			8.2	24.2	62.2	91.7	1 66		100.0	97.2	69.8	~	5.3	57.
55 21 b 32 4 61 6 92 4 99 5 100 0 94 3 56 4 4 99 5 5 100 0 94 3 56 4 4 4 99 5 5 100 0 94 3 56 4 4 4 9 5 5 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11.7	17.7	44.6	4.08	97.6	100,0			66.3	84.8		12.5	62.6
96 35 8 51 5 76 3 98 6 100 0 98 7 74 9 8 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			32.4	61.8	4.26	99.5				100.0	94.3		27.1	74.
45 54,7 69,3 86,2 99,6 30 71,0 85,3 94,9 99,9 30 91,1 98,2 99,9 30 91,1 98,2 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,7 99,9 30 91,1 98,9 30 91,1 91,9 30 91,1 91,9 30 91,1 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91,9 30 91			51.5	76.3	98.6	100.0					98.7		45.0	82.0
40 71.0 89.3 94.9 99.9 35 81.6 93.7 97.9 100.0 25 96.1 99.7 99.6 20 96.3 99.9 100.0 15 99.0 100.0 10		54.7	69.3	88.2	9.66						99.8		67.4	89
35 81.6 93.7 97.9 100.0 25 96.1 99.7 99.9 26 98.9 27 98.3 100.0 10 100.0 28 99.5 100.0 29.8 100.0 20 98.3 100.0 20 98.3 99.7 99.9 20 98.3 99.7 100.0 20 98.3 90.2 49.6 97.1 66.4 74.1 82.0 66.1 65.7 78.4 68.3 56.2 4 5.0 20 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.088 9.593 9		71.0		0.46	6. 66						100.0		63.0	96
30 91.1 98.2 99.6 100.0				97.9	100.0								93.6	97.2
25 96.1 99.7 99.9 15 99.6 100.0 10		91.1	98	90.66								8.66	97.7	98
20 98.3 99.9 100.0 10 100.0 10 100.0 10 100.0 10 100.0 10 100.0 10 100.0 11 1		96.1	2.66	6.66								100.0	99.1	99.66
15 99.6 100.0 10 100.0 10 100.0 MEAN 45.2 49.8 57.1 66.4 74.1 82.0 56.1 85.7 78.4 68.3 56.2 S.D. 11.442 9.92710.244 7.679 6.552 5.164 4.269 4.610 6.734 5.085 9.593		98.3	6.66	100.0									100.0	66
10 100,0 WEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 50.2 S.D. 11.442 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593		9.66	100.0											100.0
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 56.1 85.7 78.4 68.3 56.2 5.0. 11.443 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593		100.0												100.0
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.579 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. S.D. 11.443 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 5.085 9.593														
MEAN 45.2 49.6 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 5.0. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 56.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 5.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 56.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 56.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.6 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 s.c. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 8.0. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
MEAN 45.2 49.8 57.1 66.4 74.1 82.0 86.1 85.7 78.4 68.3 56.2 S.D. 11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593														
11,443 9,92710,244 7,679 6,352 5,164 4,269 4,610 6,734 3,085 9,593										-				
11.445 9.92710.244 7.679 6.852 5.164 4.269 4.610 6.734 8.085 9.593	MEAN	45.5		57.1	4.09	1		1000			66.3		48.6	6000
	S. D.	-		3.244	7.679			4.269			3.085		9.486	16.373
903 1020 988 1021 990 988 1023 990 1043 989	TOTAL OBS.	066	903	1020	986			986			1043		266	11917

NAVAL WEATHER SERVICE DETA ASHEVILLE, NORTH CAROLINA

STATION NAME

DALLAS, TEXAS

1946-1977

YEARS

MONTH

JANUARY

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3 81	
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1 77	
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3.0 82	
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2101

*ALSO ON EARLIER YEARS

1971*

-12.8

3.9

39.0

1963

31.1

8

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6000

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Monthly

31

968*

1962 1962

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1960 1960

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

STATION NAME

STATION 93901

1946-1977

YEARS

MINIMUM TEMP

MAXIMUM TEMP

MEAN TEMP

MONTH FEBRUARY

*156 1966 972 1958 1969 972 1958 1971 951 1971 1975 1975 1971 1971 1973 1955 1963 1991 1951 1975 1955 1963 1965 965 1.8 -5.6 -7.8 9.6-4.4--3.9 -5.0 -12.8 -3.3 -2.8 -5.6 -8.9 4.4. -3.3 -8.3 ... -6.7 -6.1 -1.7 1.0--6.1 EXTREME 54 50 2 23 97 22 23 67 26 22 77 7 2.8 5.6 3.4 5.6 3.4 3.8 2.4 5.1 4.5 4.3 4.3 3.7 4.1 AVERAGE 39.5 36.0 39.6 36.6 38.8 39.1 37.1 41.2 39.4 38.1 36.2 38.1 38.7 45.0 38.1 38.2 36.7 1976# 1948 1974 1973 1963 1962 956 1976 1962 1969 1962 1954 1959 1974 956 1954 1972 1967 1957 1961 30.6 30.0 29.4 26.7 25.6 28.3 30.0 25.0 27.2 27.2 26.1 28.9 30.6 26.7 24.4 27.2 29.4 26.7 26.1 28.3 26.1 26.1 EXTREME 90 90 3 000 83 5 16 200 19 4 2 . 17.6 15.6 17.0 17.0 13.1 15.6 14.9 16.6 15.7 14.6 15.4 15.4 15.1 14.1 13.4 16.5 15.1 15.7 15.7 14.3 AVERAGE 57.3 34.6 55.6 56.2 58.3 59.3 59.2 89.8 63.6 60.1 58.8 5.00 62.6 61.9 60.2 59.7 29.7 6009 62.6 6000 1.00 8.6 6.6 9.5 10.5 10.6 0.6 9.6 8.0 4.6 8 6 9.00 10.3 4.6 10.1 9.1 8 . 6 4.6 101 10.1 AVERAGE 49.1 40.4 9.67 49.1 49.6 50.9 49.4 50.1 49.1 6.84 48.7 50.6 51.0 50.1 48.2 52.0 6.84 1.64 DAY 12 13 14 15 16 17 18 19 20 22 4 9 1 6 10 1 21 23 24 2 ∞ 7 3

ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

DALLAS, TEXAS

1945-1977

MONTH

MARCH

YEARS

	MEAN TEMP	EMP		Σ	MAXIMUM TEMP	MP			2	MINIMUM TEMP	MP	
	AVERAGE	AGE	AVERAGE	AGE	EXTREME	EME		AVERAGE	3.5	EXTREME	EME	
DAY	u. °	o°.	L °	ပ	L o	o°.	DATE	L °	o°.	L o	၁ွ	DATE
-	53.0	12.2	65.2	18.4	\$	56.6	1972	45.6	5.9	19	-7.2	1962
2	54.4	12.4	04.1	17.8	85	29.4	1974	44.1	1.1	22	-5.6	1947
m	54.1	12.3	0.40	17.8	86	30.0	1961	44.1	6.1	61	-7.2	1971
4	53.6	12.0	63.2	17.3	99	30.0	1976*	44.1	6.7	23	-5.0	1965
2	52.7	11.5	63.2		8	29.4	1974#	42.2	2.1	56	-3.3	1960
9	53.1	11.7	63.1	17.3	98	30.0	1974*	43.0	1.0	54	7.7-	1954
7	54.6	12.6	6.59	18.8	16	32.8	1972	43.3	6.3	30	-1.1	1961
00	53.4	11.9	64.3	17.9	***	28.9	1974	42.6	5.9	24	4.4-	1961
6	54.8	12.7	0.8.7	18.7	61	27.2	1954	0.44	0.7	22	9.5.	1969
10	57.7	14.3	4.80	20.2	76	34.4	1955#	47.0	8,3	97	-3.3	6961
=	57.00	14.3	68.7	20.4	65	35.0	1955	8.94	8.2	~	-111-1	1948
12	55.2	12.9	65.2	18.4	66	33.9	1967	45.2	7,3	5	-10.6	1948
13	53.7	12.1	63.5	17.5	16	32.8	1971	43.0	0.0	53	-5.0	1948
14	56.1	13.4	67.8	19.9	96	32.2	1967	44.3	6.8	97	-3.3	1975
15	55.7	13.2	0.70	19.4	82	27.8	1961	44.3	8.0	1.7	-2.8	1954
16	50.2	13.4	67.7	8.61	1	27.2	1972	1.54	1.1	23	-2.2	1947
17	58.1	14.5	6.60	20.7	00	30.6	1972	46.8	2.8	32	0.0	1960
18	56.2	14.6	68.1	20.1	88	31.1	1974	48.4	1.6	30	-1.1	1965
19	56.3	13.8	67.7	19.8	88	31.1	1952	46.0	7.8	52	-3.9	1965
20	57.1	13.9	68.1	20.1	83	29.4	1952	46.2	6.4	22	9.5-	1965
21	56.2	13.4	67.8	19.9	85	29.4	1952	44.0	1.0	30	1:1-	1970
22	0.88	14.4	70.0	21.1		29.4	1960	46.1	7.8	92	-3.3	1955
23	6.65	15.5	72.0	22.2	69	31.7	1972	47.8	8	52	6.6-	1968
24	56.3	15.2	69.1	20.0	88	31.1	1972#	49.5	4.6	90	-1:1-	1974
25	58.1	14.5	6.7.9	19.9	35	29.4	1950	4.84	1.6	67	-3.9	1955
26	58.6	14.8	69.5	20.7	86	30.0	1976	48.1	6.8	23	-3.0	1955
27	60.2	15.7	711.5	21.9	96	35.6	1956	0.64	9.6	22	-5.6	1955
28	61.3	16.3	72.8	22.7	06	32.2	1971	49.8	6.6	30	-1:1	1955
59	60.3	15.8	71.4	21.9	06	32.2	1961	6.64	6.6	30	-1.1	1975
30	6.65	15.5	70.1	21.2	60	33.9	1974	1.65	8.6	6.2	-2.2	1975
31	63.4	17.4	74.2	53.4	100	37.8	1974	53.0	11.	3.1	2.8	1954
Monthly	6.95	13.8	9.70	19.8	100	37.8	1974	46.1	8.	1.2	-11.1	1948

*ALSO ON EARLIER YEARS

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DALY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1945-1977

STATION NAME

DALLASPTEXAS

YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

MONTH APRIL

		DATE			L		L	_	_	_	L.	L	L	1957		L	_	_	_	L	_		L	L	1951	L	1	L		_		1965	
MP	ME	၁့	2.2	1.1	0.0	3.3	1.7	2.8	-1:1	2.8	0.6	1:1-	3.9	0.0	0.0	2.8	5.0	3.9	2.8	3.9	1.1	2.8	5.0	5.6	6.7	3,3	7.2	7.8	8.3	7.8	2.0	7.8	
MINIMUM TEMP	EXTREME	₽°	36	34	32	38	35	3.1	30	33	33	30	39	33	35	37	1,5	39	37	39	34	37	24	45	**	38	45	94	4.5	94	14	94	
N		o°.	11,2	1101	11.9	10.6	10.4	11.0	12.2	12.5	12.1	12.6	12,3	11.8	1105	12.7	11.8	12.2	13.4	14.2	14.8	14.4	14.8	16.0	16.1	15.2	6.47	14.9	15.9	16.0	15.8	15.3	
	AVERAGE	۰,	52.1	52.0	53.4	51.0	50.8	51.6	54.0	54.5	53.7	54.7	54.1	53.5	52.7	54.8	53.3	24.0	56.2	57.0	58.7	58.0	58.6	6.00	010	59.3	58.8	58.9	9.09	8.09	60.09	59.5	
-		DATE	1974#	1972	1950	1967#	1961	1946	1954*	1967*	1963	1963	1948	1972	1974*	1661	1961	1961	1963*	1991	1972	1963	1955	1963	1958	1975	* 5661	1955	1948	1948	1955	1947	
Ь	AE	o°.	30.6	30.6	32.2	31.1	32.2	35.0	32.2	30.6	37.2	37.8	36.7	33.9	32.8	31.7	31.7	32.2				1	1	33.9	32.2	31.1	31.1	31.1		33.3	32.2	33.9	-
MAXIMUM TEMP	EXTREME	u °	20	700	06	88	06	95	06	2.00	66	001	96	63	16	68	68	06	98	88	16	06	16	63	06	8	8	80	88	92	06	07	
MA	J.	ပ	23.0	24.6	24.2	22.3	22.3	24.7	25.2	23.7	23.8	24.1	24.1	24.1	22.9	24.3	23.9	23.4	24.7	25.7	26.2	25.3	25.3	26.3	26.3	26.1	25.5	25.4	25.9	25.7	25.9	25.8	
	AVERAGE	H _o	73.4	76.3	75.6	72.2	72.1	76.5	77.4	74.6	74.9	18.3	78.3	75.3	73.3	15.8	75.1	74.1		78.2		77.6	17.9	19.3	4.61	78.9	77.9	77.8	78.6	78.2	78.6	78.5	
d		٥.	17.1	17.9	18.1	16.4	16.3	17.9	18.7	18.1	17.9	18.3	18.2	17.9	17.2	18.5	17.9	17.8	19.1	19.9	20.5	19.9	2002	21.2	21.2	20.6	20.2	2002	20.9	20.7	20.8	20.6	
MEAN TEMP	AVERAGE	L.	62.7	64.2	64.5	61.6	63.4	64.2	65.7	9.49	64.3	0.69	64.7	2.49	63.0	65.3	64.2	0.40	66.3	6.1.9	68.8	67.8	68.3	70.1	70.2	1.69	68.3	4.86	9.69	69.3	69.8	0.69	
-	L	DAY	1	2	8	4	2	9	7	00	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	-

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

STATION NAME

1945-1977

MONTH

MAY

YEARS

ERAGE C. C. F. C.	MAXIMOM LEMP		MINIMUM TEMP	
68.6 20.3 78.5 25.8 90 32.2 68.6 20.7 79.8 26.6 90 32.2 69.8 20.7 79.8 26.6 90 32.2 69.8 21.6 20.7 79.8 26.6 90 32.2 70.9 21.6 80.9 26.9 90 32.2 70.9 21.6 80.9 26.9 90 32.2 70.9 21.6 80.9 27.2 98 36.7 72.0 22.2 81.6 27.2 93 33.9 72.4 22.4 80.9 27.2 94 34.4 71.4 22.4 82.8 28.1 95 35.6 75.7 22.4 82.8 28.2 94 34.4 75.0 23.9 84.9 24.9 34.4 75.1 22.4 84.9 34.4 76.7 24.8 86.1 30.3 94 34.4 <th>EXTREME</th> <th>AVERAGE</th> <th>EXTREME</th> <th></th>	EXTREME	AVERAGE	EXTREME	
68.6 20.3 78.5 25.8 90 32.2 69.8 21.0 79.8 26.6 90 32.2 69.8 21.0 79.9 26.6 90 32.2 69.8 21.0 70.8 21.6 80.9 27.2 93 33.9 72.0 22.2 81.6 80.9 27.2 93 33.9 72.0 22.4 82.5 28.1 92 33.9 72.0 72.4 22.4 82.8 83.5 28.2 94 34.4 72.4 22.8 81.2 27.3 94 34.4 72.1 22.8 82.8 28.2 94 34.4 72.1 22.8 82.8 28.2 94 34.4 72.1 22.8 82.8 28.2 94 34.4 72.1 22.8 82.8 28.3 94 34.4 72.1 22.8 82.8 28.3 94 34.4 72.1 22.8 82.8 28.3 94 34.4 72.1 22.8 82.8 28.3 94 34.4 72.1 22.8 86.1 30.1 94 34.4 76.7 24.8 86.8 30.5 100 37.8 75.0 75.9 24.8 86.9 30.5 100 37.8 75.0 75.9 24.8 86.9 30.5 100 37.8 75.0 75.9 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.9 30.5 100 37.8 75.0 76.7 24.8 86.5 30.8 97.5 35.6 76.1 25.6 88.5 31.4 96 35.6 76.1 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 88.5 31.4 96 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 37.7 76.0 25.6 88.5 31.4 96 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 76.0 35.6 87.5 30.8 77.7 76.0 25.6 88.5 31.4 96.9 35.6 5.6 87.7 76.0 25.6 88.5 31.4 96.9 35.6 5.6 87.7 76.0 25.6 88.5 31.4 96.9 35.6 5.6 88.5 31.4 96.9 35.6 5.6 87.7 76.0 25.6 88.5 31.4 96.9 35.6 5.6 87.7 76.0 25.6 87.7 76.0 35.6 5.0 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.6 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87.7 76.0 25.0 87	ပ	o, J,	J 0	°C DATE
69,3 20,7 79,8 26,6 90 32,2 59,8 21,0 79,9 26,0 90 32,2 70,9 21,6 80,9 27,2 98 35,9 71,4 21,6 22,4 82,5 28,1 92 33,3 72,4 22,9 81,4 27,4 96 35,6 71,4 22,8 83,5 28,0 98 36,7 71,5 22,5 81,4 27,4 96 35,6 71,5 22,6 82,8 28,3 94 34,4 71,5 22,8 82,8 28,3 94 34,4 72,4 22,8 82,8 28,3 94 34,4 73,1 22,8 82,8 28,3 94 34,4 73,1 22,8 82,0 28,3 94 34,4 75,1 22,8 82,0 28,3 95 35,6 75,1 22,8 82,0 28,3 94 34,4 75,1 22,8 84,0 28,3 95 35,6 75,1 22,8 84,0 28,3 95 35,6 75,1 22,8 86,1 30,3 95 35,6 76,2 24,8 86,1 30,1 94 34,4 76,7 24,8 86,1 30,1 94 34,4 76,7 24,8 86,1 30,5 95 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,7 24,8 86,1 30,5 96 35,6 76,9 24,9 86,1 30,5 96 35,6	90 32.2			6.7 1960
69,8 21.0 79.9 26.6 90 32.2 70,8 21.6 80.9 27.2 98 36.7 70,9 21.6 80.9 27.2 93 33.9 72,0 22.2 81.6 27.2 93 33.9 72,4 22.4 82.5 28.1 92 33.9 72,5 22.4 82.8 22.4 96 35.6 72,5 22.5 81.4 27.4 96 35.6 71.5 22.6 87.8 27.1 100 37.8 71.5 22.6 87.8 27.1 100 37.8 71.5 22.6 87.8 28.2 94 34.4 72.6 87.9 28.3 96 35.6 75.1 22.8 84.0 28.3 96 35.6 75.1 22.8 84.0 28.3 96 35.6 75.1 22.8 84.0 28.3 96 35.6 75.7 24.8 85.6 28.3 96 35.6 <td>90 32.2 197</td> <td>_</td> <td></td> <td>2</td>	90 32.2 197	_		2
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71.4 21.9 80.9 27.2 93 33.9 72.4 22.4 82.5 28.1 92 33.9 72.5 22.5 81.4 27.4 96 35.6 71.5 22.6 82.8 27.1 100 37.8 71.5 22.6 82.8 28.3 94 34.4 73.1 22.8 82.8 28.3 94 34.4 73.2 22.9 84.7 29.8 94 34.4 75.1 22.9 84.0 29.4 96 35.6 75.1 24.9 86.1 30.1 94 34.4 76.7 24.8 86.1 30.1 94 34.4 76.7 24.8 86.1 30.1 94 34.4 76.7 24.8 86.9 30.5 100 37.8 76.7 24.8 86.9 30.5 100 37.8 77.2 22.1 87.0 30.6 96 35.6 76.7 24.8 86.9 30.5 100 37.8 76.7 24.8 86.9 30.5 100 37.8 76.7 24.8 86.9 30.5 100 37.8 76.7 24.8 86.9 30.5 30.6 96 35.6 76.7 24.8 86.9 30.5 100 37.8	94 34.4 1967			-
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73.2 22.9 63.0 28.3 93 33.9 74.3 23.5 84.7 29.3 94 34.4 75.7 24.3 85.6 29.8 96 35.6 75.7 24.3 23.5 84.0 28.9 94 34.4 75.3 24.1 85.7 29.8 96 35.6 75.9 24.9 86.5 30.3 95 35.6 76.7 24.8 86.5 30.3 95 35.6 76.7 24.8 86.5 30.5 99 35.6 76.7 24.8 86.9 30.5 99 35.6 76.7 24.8 86.9 30.5 99 35.6 76.9 24.9 86.9 30.5 99 35.6 76.7 24.8 86.9 30.5 99 35.6 76.9 24.9 86.9 30.5 90 35.6 78.0 25.6 88.5 31.4 96 35.6 78.0 25.6 87.7 30.9 96 35.6	92 33.3			_
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75.3 24.1 45.7 29.8 96 35.6 76.7 24.8 46.5 30.3 95 35.0 76.9 24.9 86.1 30.1 94 34.4 76.8 24.9 86.9 30.5 93 33.9 76.7 24.8 86.9 30.5 100 37.8 76.7 24.8 86.9 30.5 100 37.8 77.2 25.1 87.0 30.6 96 35.6 78.1 25.6 88.5 31.4 96 35.6	\$* \$E \$6		25	12,8 1968#
76.7 24.8 86.5 30.3 95 35.0 75.9 24.4 85.5 29.7 96 35.6 76.8 24.9 86.9 30.5 93 33.9 76.7 24.8 86.9 30.5 93 33.9 76.7 24.8 86.9 30.5 100 37.8 77.2 25.1 87.0 30.6 96 35.6 78.1 25.6 88.5 31.4 96 35.6	96 35.6			
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76.8 24.9 86.9 30.5 93 33.9 76.7 24.8 86.9 30.5 100 37.8 77.2 25.1 87.0 30.6 96 35.6 76.9 24.9 87.5 30.8 97 36.1 78.1 25.6 88.5 31.4 96 35.6	4.46			16.1 1967*
76.7 24.8 86.9 30.4 94 34.4 76.7 24.8 86.9 30.5 100 37.8 77.2 25.1 87.0 30.6 96 35.6 76.9 24.9 87.5 30.8 97 36.1 78.1 25.6 88.5 31.4 96 35.6	5 93 33.9	9		٠.
76.7 24.8 86.9 30.5 100 37.8 77.2 25.1 87.0 30.6 96 35.6 76.9 24.9 87.5 30.8 97 36.1 78.1 25.6 88.5 31.4 96 35.6 78.0 25.6 87.7 30.9 96 35.6	4. 94 34.4			12.8 1947
77.2 25.1 87.0 30.6 96 35.6 195 76.9 24.9 87.5 30.8 97 36.1 195 78.1 25.6 88.5 31.4 96 35.6 195 78.0 25.6 87.7 30.9 96 35.6 195	100 37.8			1961 901
76.9 24.9 37.5 30.8 97 36.1 195 78.1 25.6 88.5 31.4 96 35.6 195 78.0 25.6 37.7 30.9 96 35.6 195	96 35.6	67.3 19.6		6.
78.0 25.6 88.5 31.4 96 35.6 195 78.0 25.6 87.7 30.9 96 35.6 195	97 36.1			6.4 1947
78.0 25.6 87.7 30.9 96 35.6	35.6 195	.7 19.		7,8 1947
	96 35.6	8.3 20.		13,3 1975
23.3	100 37.8 1967	64.0 17.8	39	3.9 1954

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2001

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA 18

STATION NAME

DALLAS, TEXAS

93901 STATION

1945-1977

YEARS

JUNE

	MEAN TEMP	EMP			MAXIMUM TEMP	MP			2	MINIMUM TEMP	MP	
	AVERAGE	GE	AVERAGE	GE	EXTREME	ME		AVERAGE	36	EXTREME		
_	۰ ۲	o°.	9 °	၁ွ	4 °	၁ွ	DATE	٠ ۲		₽ °	၁့	DATE
_	77.9	25.5	88.2	31.2	46	36.1	19534	67.7	19.8	24	12.2	1964
-	77.3		87.7	30.9	100	37.8	1977	66.8	19,3	26	13,3	1969
-	76.5	24.7	86.2	30.1	100	37.8	1960	9009	19.3	53	11.7	1946
-	78.3	25.7	38.4	31.3	66	37.2	1977*	68.3	2002	24	12.2	1954
-	78.7	25.9	4.83	31.3	104	40.0	1948	69.1	50.6	24	12.2	1970
-	80.5	56.9	91.4	33.0	102	38.9	1948	69.5	20.8	52	12.8	1970
-	81,3	27.4	91.1	32.8	96	36.7	1948	71.5	21.9	09	15.6	1970
-	82.1	27.8	92.5	33.6	101	38.3	1956	71.7	22,1	99	17.8	1977
-	81.5	27.5	8006	32.7	66	37.2	1977	72.2	22,3	09	15.6	1955
-	82.1	27.8	92.1	33.4	86	36.7	1963*	72.1	22.3	96	14.4	1955
-	81.7	27.6	91.0	32.8	101	38.3	1953	72.3	22,4	95	13.3	1955
-	81,3	27.4	91.3	32.9	102	38.9	1953	71.3	21.8	65	15.0	1975*
-	82.2	27.9	92.0	33.3	101	38.3	1953	72.5	55.22	99	17.8	1974
-	82.7	28.2	92.8	33.8	105	40.6	1953	72.6	22.6	24	12.2	1947
-	82.4	28.0	92.4	33.6	102	38.9	1960	72.4	22.4	25	13.9	1947
-	81.7	27.6	91.8	33.2	66	37.2	1948	71.1	1.22	10	1001	1961
-	81.9	27.7	91.5	33.1	100	37.8	1952	72.4	22.4	09	15.6	1961
-	82.3	27.9	91.9	33.3	101	300	19534	72.5	22.6	09	15.6	1945
-		28.3	93.4	34.1	101	38.3	1959*	72.7	22,6	20	16.7	1973
-	83.0	28.3	93.1	33.9	103	39.4	1972*	72.9	22.7	01	16.1	1976
-		28.1	92.7	33.7	104	40.0	1953	72.5	22.5	69	17.2	1976
-	83.3	28.5	93.0	33.9	103	39.4	1953	73.6	23.1	63	17.2	1961
-	83.5	28.6	93.1	33.9	102	38.9	1969	73.9	23,3	99	17.8	1973
-	82.9	28.3	92.1	33.4	100	37.8	1972*	73.8	23.52	10	17.8	1973
-	83.0	28.3	92.7	33.7	901	41.1	1972	73.3	6.22	09	15.6	1974
-	82.9	28.3	6.26	33.5	103	39.4	1972	73.5	23.1	98	14.4	1958
-	83.9	28.8	93.6	34.2	102	38.9	1972#	74.5	23.4	29	15.0	1968
-	84.2	29.0	93.9	34.4	101	38.3	1972	74.5	23.6	96	13.3	1946
-	84.3	29.1	93.8	34.3	100	1.	1956	74.8	63.8	40	17.8	1948
-	84.7	29.3	2.46	34.6	101	38.3	1956	75.1	23.9	68	20.0	1950
-												
Monthly	81.8	27.7	9.16	33.1	901	4101	1972	71.9	25.2	53	11.7	1946

*ALSO ON EARLIER YEARS

NAVAL WEATHER S ASHEVILLE, NORTH

ES

MONTH

YEARS

1945-1977

STATION NAME

DALLAS, TEXAS

JULY

	MEAN TEMP	EMP		Š	MAXIMUM LEMP	MP	_		Σ	MINIMON ENT	AP	
	AVERAGE	GE	AVERAGE	GE	EXTREME	ME		AVERAGE	36	EXTREME	ME	
DAY	ъ°	၁့	L °	o°.	۰ ۳	၁့	DATE	L 0	o°.	H 0	၁့	DATE
-	4.48	29.1	2.46	34.6	102	38.9	1954	74.5	23.6	0	19.4	1950
2	84.7	29.3	94.6	34.8	102	38.9	1969	14.1	23.7	99	20.0	1945
m	0.58	29.4	7.46	34.8	102	38.9	1970#	75.2	24.0	68	20.0	1948
4	84.8	29.3	94.8	34.9	103	39.4	1957	74.9	23,8	67	19.4	1968
5	84.8	29.3	6.46	34.9	103	39.4	1954	74.8	23.8	67	19.4	1968
9	85.2		95.3	35.2	103	39.4	1954	75.1	53.9	20	16.7	1972
7	85.5		96.0	35.6	104	40.0	1970	75.2	24.0	99	17.8	1968
00	85.5		95.5	35.3	107	41.7	1956	75.5	24.2	19	19.4	1952
6	86.3	30.2	4.96	35.8	105	9.04	1964	76.2	24.6	63	17.2	1952
10	85.8	29.9	6.46	34.9	105	9.04	1954	76.1	24.5	6.9	18.3	1952
11	0.50	59.9	2.96	35.7	107	41.7	1954	75.6	24.2	70	21.1	1945
12	86.2	30.1	0	35.7	109	42.8	1954	76.0	54.45	99	16.9	1953
13	85.9	59.9	6.86	35.5	105	40.0	1954	75.9	24.4	69	18.3	1953
14	85.8	59.6	6.56	35.5	104	0.04	1969	75.7	24.3	19	19.4	1953
15	85.5	29.7	95.5	35.3	106	41.1	1969	75.6	2007	63	17.2	1961
16	85.1	29.5	95.0	35.0	101	41.7	1954	75.3	1.42	15	10.6	1960
17	85.5	29.7	95.5	35.3	109	42.8	1954	75.5	24.2	0	20.0	1961
18	86.1	30.1	3.96		105	9.07	1954	76.0	54.4	99	18.9	1945
19	85.8	59.9	7.56		104	0.04	1970	15.9	24.4	69	50.6	1945
20	85.7	29.8	99.9	35.3	104	40.0	1974	75.9	24.4	63	17.2	1947
21		59.9	45	35.4	107	41.7	1974	75.9	50.47	29	19.4	1970
22	86.3	30.2	-0	35.8	107	41.7	1974	76.0	24.4	99	18.9	1970
23	0.98	30.0	96.4	35.8	108	42.2	1974	75.7	24,3	90	17.8	1970
24	87.0	30.6	97.0	36.1	108	42.2	1954	6.92	54.9	20	19.4	1947
25	86.7	30.4	97.1	36.2	111	43.9	1954	76.2	24.6	63	17.2	1972
26	86.3	30.2		35.7	106	41.1	1964	76.3	24.6	0)	21.1	1962
27	86,5	30.3	8.96	36.0	103	39.4	1960*	76.2	54.6	0/	21.1	1971
28	0.18	30.6	97.3	36.3	103	39.4	¥6961	76.7	24.8	10	21.1	1971
29	87.1	30.6		36.6	105	40.6	1974	76.4	24.7	10	21.1	1971
30	86.3	30.2	1.96	35.6	108	42.2	1957	76.5	24.7	29	16.7	1971
31	86.7	30.4	8.96	36.0	101	41.7	1961	76.7	24.8	28	14.4	1971
Monthly	85.8	56.67	6.86	35.5	111	43.9	1954	75.8	24.3	16	10.6	1960

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT

DALLAS, TEXAS

STATION 93901

ASHEVILLE, NORTH CAROLINA

STATION NAME

1945-1977

AUGUST

MONTH

YEARS

	MEAN TEMP	MP		W	MAXIMUM TEMP	MP			Σ	MINIMUM TEMP	MP	
	AVERAGE	36	AVERAGE	GE	EXTREME	ME		AVERAGE	3.6	EXTREME	ME	
DAY	L 0	٥	¥ °	၁့	L	o°.	DATE	⊌ ₀	o°.	9°	్లు	DATE
1	0.98	30.0	96.5	35.8	102	38.9	1970*	75.0	24.2	40	17.8	1971
2	95,4	29.7	95.6	35.3	104	40.0	1970*	75.1	23.9	99	18.9	1973*
3	0.98	30.0	96.8	36.0	103	39.4	1967#	75.2	24.0	70	17,8	1973
4	36.4	30.2	6.96	36.1	105	40.0	1991	76.0	24.4	0.1	19.4	1974*
5	86.7	30.4	97.2	36.2	108	42.2	1964	76.2	24.6	63	17.2	1948
9	87.2	30.7	97.8	36.6	101	41.7	1956*	76.0	24.8	69	18.3	19754
7	87.8	31.0	98.6	37.0	108	42.2	1953	77.1	25.1	99	18.9	1957
000	88.1	31.2	98.7	37.1	106	41.1	1970#	77.5	25.3	11	21.7	1975*
6	87.6	30.9	986	37.0	107	41.07	1947	76.6	24.8	99	18.9	1953
10	87.0	30.6	97.9	36.6	108	42.2	1947	76.2	24.6	67	19.4	1959
11	86,5	30.3	97.1	36.2	109	42.8	1961	75.9	24.4	67	19.4	1950
12	85.6	29.8	1.96	35.6	105	40.6	1948	75.2	24.0	99	18,9	1972#
13	36.4	30.2	97.2	36.2	101	41.7	1969	75.5	2007	90	18.9	1961
14	87.2	30.7	91.6	36.4	106	41.1	1956*	76.8	54.9	67	19.4	1955
15	86.2	30.1	96.2	35.7	901	41.1	1991	76.2	24.6	70	17.8	1955
16	86.6	30.3	97.2	36.2	101	41.7	19561	76.1	24.5	68	20.0	1955
17	86.2	30.1	96.6	35.9	101	41.7	1991	75.8	24.3	69	20.0	1948
18	85.6	29.8	0.96	35.6	106	41.1	1991	75.2	24.0	69	20.6	1960
19	85.3	29.6	0.96	35.6	105	40.6	*6561	74.7	23.7	65	18.3	1950
20	85.2	29.6	95.5	35.3	105	40.0	1948	74.8	23.8	60	19.4	1950

ALSO ON EARLIER YEARS

1968 9561

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30

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28.8

83.9 84.0 83.5

63.5

1991

38.9

34.3 33.9

93.7 93.1

73.6

1963

1963*

1961

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18 19 21

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72.9 72.8 73.3

1952 1969

40.0

34.9 34.8 34.4 34.3

40.6

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28.6

83.4 83.5

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28.8

83.9 83.8

22 23

1952

40.0 38.9 40.0

1952

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34.2

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34.5

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996 696

17.8

22.9

60 000

18.9

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

SEPTEMBER MONTH

YEARS 1945-1977 STATION NAME DALLAS, TEXAS

	MEAN TEMP	EMP		Σ	MAXIMUM TEMP	MP			Σ	MINIMUM TEMP	1P	
L	AVERAGE	GE	AVERAGE	GE	EXTREME	ME		AVERAGE	3.6	EXTREME	ME	
DAY	¥ °	o°.	L o	၁့	L °	o°.	DATE	₽ °	o°.	4 °	೦್ಯ	DATE
-	82.3	57.9	92.5	33.0	104	0.04	1951	72.2	22.3	63	17.2	1955
2	82.4	28.0	95.5	33.6	501	9.0%	1951	72.2	22.3	00	15.6	1974
3	82.5	28.1	6.26	33.8	104	40.0	1991	72.1	22.3	2	13.9	1974
4	82.0	27.8	45.4	33.6	101	38.3	1963*	71.7	22.1	10	10.6	1974
2	81.1	27.3	2.16	32.9	101	38.3	1947	71.1	21.7	23	11.7	1974
9	81.5	27.5	91.7	33.2	102	38.9	1963*	71.2	21.8	16	10.6	1974
7	81,3	27.4	91.6	33.0	103	39.4	1963	71.2	21.8	96	13,3	1974
00	80.9	27.2	91.2	32.9	66	37.2	1972	70.7	21.5	00	15.6	1974#
6	80.2	26.8	90.3	32.4	102	36.9	1954	70.2	2102	27	13.9	1956
10	79.3	26.3	68.6	31.6	96	36.7	1964*	9.69	50.9	2.1	13.9	1968
11	79.2	26.2	0.06	32.2	100	37.8	1963	68.4	20.2	25	11:1	1968
12	78.5	25.8	0.88	31.6	100	37.8	1965	0.89	20.0	25	12,8	1959
13	77.0	25.0	87.5	30.8	102	38.9	1965	60.5	2061	37	13.9	1974
14	78.2	25.7	60 60 60	31.3	103	39.4	1965	68.1	20.1	21	10.6	1945
15	1.11	25.4	6.18	31.1	66	37.2	1965	67.4	19.7	16	10.6	1945
16	78.1	25.6	87.9	31.1	66	37.2	1956	66.3	2002	23	14.4	1961
17	77.77	25.4	87.5	30.8	6	36.1	1960	6.1.9	19.9	24	12.2	1951
18	78,3	25.7	88.2	31.2	66	37.2	1956	68.5	20.3	15	10.6	1968
19	79.3	26.3	90.68	32.0	103	39.4	1956	69.1	20.6	16	10.6	1971
20	19.4	26.3	20	31.9	102	38.9	1953	69.3	20.7	6.5	8,3	1971
21	77.7	25.4	67.3	30.7	66	37.2	1956	68.2	1 02	26	13,3	1971
22	75.7	24.3	64.9	29.4	96	35.6	1956	66.5	19.2	21	10.6	1975
23	75.0	53.9	6.50	29.6	6.4	36.1	1948	64.7	18,2	67	4.6	1975
24	74.8	23.8	84.6	29.5	96	36.7	1977	64.0	18,3	2,5	10.6	1975#
25	75.0	23.9	84.8	29.3	66	37.2	1977	65.1	18.4	64	5.6	1975
26	75.0	53.9	03.6	29.8	100	37.8	1977	64.3	17.9	21	10.6	1975
27	74.6	23.7	85.6	29.8	104	40.0	1977	63.6	17.6	64	4.6	1948
28	73.4	23.0	4.7	29.3	104	0.04	1953	62.2	16,8	949	7.8	1961
29	73.6	3.	65.3	29.6	101	38.3	1953	61.9	16,6	4.5	7.2	1974
30	72.5	22.5	84.5	29.5	9.8	36.7	1977#	60.5	15,8	45	7.2	1972
31												
Monthly	78.1	25.6	4.88	31.3	105	40.6	1951	61.9	19.9	4.3	7.2	1974#

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS 10666

STATION NAME

STATION

1945-1977

YEARS

MONTH

OC TOBER

#4661 1952 1976 9554 876 916 952 696 696 916 1952 1975 975 952 952 952 1952 986 975 961 496 952 952 1957 952 1957 1951 1957 5.0 9.0-3.3 1.8 2.8 2.5 3.3 5.0 8.9 3.3 2.8 3 2.2 3.9 9.0-6.1 EXTREME MINIMUM TEMP 94 40 36 04 3.1 38 37 23 4 3 30 47 4 6 4 8 % 3. 47 * 4 42 1 4 7.0 12.4 16.9 0.0 15.6 13.1 13.2 12.0 12.8 5 . 3 15.5 12.8 13.1 12.8 11.2 5.3 4.3 4.3 AVERAGE 53.6 52.2 65.6 59.9 56.2 52.4 53.5 55.1 63.2 62.4 60.8 29.5 57.7 59.6 58.6 58.6 55.5 55.0 54.4 55.6 52.0 57.1 60.1 55.1 54.1 55.7 1962* 1955* 1975* 1977* 1963* 1972 1953 1963 1956 1963 1963 1954 1972 1972 1972 6961 1955 1950 0661 1963 1951 1991 1963 1947 1977 1977 1991 1977 35.6 35.6 36.1 35.0 34.4 35.6 35.0 33.3 32.8 33.9 33.9 30.6 32.2 32.2 32.2 32.2 34.4 32.8 35.6 30.6 30.0 33.3 30.6 32.8 36.7 31.7 36.7 31.7 EXTREME MAXIMUM TEMP 9. F 96 96 95 96 26 96 6 89 06 06 6 46 50 16 6 3 87 8 23 55.9 28.2 27.6 28.2 25.6 25.6 23.6 28.4 27.9 27.3 28.0 28.1 27.2 25.7 25.6 25.1 24.8 23.7 24.1 22.6 23.3 26.0 25.8 22.7 54.4 26.1 27.8 AVERAGE 91.2 6.08 78.1 0.62 82.2 82.4 8.20 78.8 77.2 78.4 76.6 15.4 75.9 81.7 82.7 78.2 72.8 63.1 78.1 78.6 74.7 74.5 12.7 83.8 61.9 81.3 82.8 78.1 73.7 62.1 19.6 55.9 22.2 21,5 21.9 20.9 19.2 19.4 8.6 22.3 22.6 21.3 20.8 21.2 21.8 20.5 19.3 19.5 0.6 17.9 17.7 16.8 6.9 22.7 7.7 22.1 20.0 o MEAN TEMP AVERAGE 66.9 72.6 71.7 9.99 67.0 66.2 70.1 68.4 54.5 63,3 63.8 62.2 62,5 73.3 69.5 63.8 63.9 0.89 70. Monthly 16 DAY 18 19 22 25 10 1 12 13 14 15 17 20 21 23 24 26 27 28 29 30 31 6 2 ∞

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'ALSO ON EARLIER YEARS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

STATION NAME

1945-1977

NOVEMBER

YEARS

		DATE	1969	*9961	1951	1967*	1970	1959	1959	1968	1955	1950	1950	1968	1976	1969	1969	1970	1959	1951	1951	1969	1969*	19761	1975	1970	1950	1975	1975	1955	1976	1976*		1976
MP	ME	၁ွ	2.2	-1.1	-2.2	9.0-	0.0	-2.2	9.0-	9.0-	-1:1	-3.9	-7.8	-2.8	-1.1	-2.8	-3.9	-2.8	-6.7	15.6	-3.9	-3.9	-1.1	-2.2	-5.0	-5.0	9.6	-2.8	-2.8	-5.0	6.8.	6.8.		6.8-
MINIMUM TEMP	EXTREME	∃ ₀	36	30	87	31	32	28	31	31	30	52	8	27	30	2.1	52	12	50	22	52	52	30	82	53	27	52	27	12	62	10	52		91
M		၁့	1107	4.6	8.0	8.5	9.8	8	8,2	3.2	7.2	7.1	8.0	8.7	1.6	9,6	6 6	8.4	7,5	6.9	8 9	0.0	4.0	6.3	6,3	6.3	4.9	6.5	4.8	2.4	2.2	3.1		1.3
	AVERAGE	4 °	53.0	49.5	40.4	47.3	4.1.4	47.8	60.94	46.7	45.0	44.7	4004	47.0	46.3	49.6	8.84	47.2	45.5	44.4	44.2	42.8	43.5	40.4	43.4	43.3	43.5	43.7	40.0	39.6	36.0	38.7		45.2
		DATE	1955	1945	1948	1948	1963	1963*	1975	1975#	1975	1949	1975*	1951	1951	1955	1965*	1952	1952	1973	1950	1977	1991	1955	1961	1965	1965	1965	1964	6461	1949	1950		1948
Ь	ΛE	o°.	30.6	30.0	31.7	32.2	29.4	28.9	30.6	28.9	30.6	28.9	27.8	29.4	30.0	29.4	59.4	28.3	28.3	29.4	30.06	29.4	29.4	29.4	29.4	31.1	30.0	59.4	27.2	28.3	27.2	27.8		32.2
MAXIMUM TEMP	EXTREME	ъ о	200	100	69	06	85	48	87	5	87	76	82	82	63	85	92	60	es es	35	87	200	30	00 20	∞ •	88	98	20	200	23	31	82		06
MA	E	၁့	22.8	21.1	19.0	20.3	20.3	20.7	20.7	20.1	19.9	19.8	21.3	21.2	21.0	19.9	21.0	20.7	18.4	17.8		18.9	18.3	18.1	18.0	17.1	20.6	19.1	17.1	14.7	15.3	16.1		19.3
	AVERAGE	₽°	73.0	6.69	66.2	68.5	68.6	6.69	69.3	68.2	67.8	9.79	70.3	70.1	69.8	67.9	8.69	69.3	05.1	1.40	0.99	0.99	65.0	64.5	4.40	62.7	0.69	66.3	62.7	58.3	9.65	6.09		2.90
		၁့	17.2	15.4	13.5	14.4	14.4	14.8	14.4	14.2	13.6	13.4	14.6	6.41	15.1	14.9	15.2	14.6	12.9	12.4	12.8	12.4	12.3	12.2	12.2	11.7	13.4	12.8	10.9	9.5	80 80	6.6		13.3
MEAN TEMP	AVERAGE	L.	0.69	2.65	56.3	57.9	58.0	56.6	58.0	57.5	50.4	56.2	58.3	58,8	59.1	58.8	59.3	59.2	55.3	54.3	55.1	54.4	54.5	54.0	53,9	53.0	56.2	55.0	51.6	49.1	47.8	8.64		53.9
		DAY	1	2	3	4	5	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DALLAS, TEXAS

STATION NAME

STATION 10656

1945-1977

DECEMBER

MONTH

YEARS

	MEAN TEMP	EMP		M	MAXIMUM TEMP	MP			Σ	MINIMUM TEMP	EMP	
	AVERAGE	GE	AVERAGE	GE	EXTREME	EME		AVERAGE	3.5	EXTREME	EME	
DAY	٠ ٦	၁့	٥,	o°.	L	o °	DATE	۳,	၁့	40	၁့	DATE
1	52.9	11.6	9.69	17.6	200	27.8	1970	42.2	5.7	26	-3.3	1975
2	52.9	11.6	63.9	17.7	46	26.1	1970	41.9	5.5	27	-2.8	1976
3	52.8	11.6	65.0		85	29.4	1977	40.7	4 . 3	56	m3.3	1961
4	53,2	11.8	64.2	17.9	00	59.4	1977	42.2	5.7	5.6	.3.3	1945
2	52.9	11.6	63.5	17.5	9	26.7	1956	42.3	2.1	8	-7.8	1950
9	6.64	6.6	6.65	15.5	98	28.9	1966	39.8	4.3	13	9.01-	1950
7	48.5	9.5	58.9	*	90	26.7	1966	38.2	3.6	12	-11.1	1950
00	49.2	9.6	59.8	15.3	28	27.8	1977		3,8	54	5.5-	1950
6	0.74	8.3	55.8	13.2	11	25.0	1970	38.2	3.4	50	-6.7	1974
10	6.94	8.3	55.7	13.2	76	24.4	1975	38.1	3.4	63	-5.0	1972
11	47.6	8.7	57.3	14.1	52	26.1	1949	37.8	3.2	22	-5.6	1957
12	47.1	3.4	57.7	14.3	69	30.6	1973	36.5	2.5	67	-7.2	1962
13	45.5	7.5	58.6	13.1	80	26.7	1948	35.5	1.99	6.	-7.2	1961
14	0.74	8.3	56.7	13.7	11	25.0	1975	37.2	2.9	16	6.8-	1958
15	6.04	8 . 2	57.2	14.0	16	54.4	1948	36.4	2.4	67	-7.2	1991
16	47.5	8.5	58.5	14.0	84	28.9	1977	36.0	2.1	1.5	7.6-	1972
17	6.84	4.6	29.7	15.4	75	23.9	1946	38.1	304	22	-5.6	19724
18	48.7	6.9	59.1	13.1	31	27.2	1977	38.3	3.5	91	6.8	1964
19	0.84		58.7	14.8	10	er.	1976	37.2	2.9	1.3	-8.3	1945
20	47.7	8.7	58.2	14.6	75	23.9	1966	37.1	2,8	22	-5.6	1973
21	8.04	8.2	58.7	14.8	73	22.8	1961	34.8	1.6	ED	8.1.8	1961
22	47.5		29.0	15.0	30	26.7	1970	36.0	2.2	1.3	m	1963
23	48.1	6 8	58.3	14.6	19	26.1	1974	37.9	3 3	11	-11.7	1963
24	47.3	80	58.7	14.8	17	25.0	1977	35.8	2.1	18	=7.8	1966
25	6.04	8.3	57.8	14.3	73	22.8	1971	35.9	2.2	54	5.5-	1953
26	6.94	80	58.5	14.6	74	23.3	1971	35.5	1.9	22	.5.6	1970
27	48.4	9.1	59.2	15.1	80	26.7	1946	37.6	3,1	57	4.4-	1964
28	6.04	8.3	56.7	13.7	19	26.1	1973	37.1	2,8	52	13.9	1966
29	47.4	9.8	57.1	13.9	78	25.6	1964	37.7	3.2	18	8	1966
30	6.04	8.3	56.3	13.5	**	28.9	1991	37.5	3,1	8	-7.8	1946
31	45.0	7.2	54.5	12.3	80	26.7	1951	35.7	2.1	en	-10.6	1976
Monthly	4.84	9.1	58.8	14.9	87	30.6	1973	37.9	3.3	11	-11.7	1963

*ALSO ON EARLIER YEARS

DIDEL AUTOPPARENT CAROL

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

45-77

DALLAS, TEXAS

93901 STATION

WHOLE DEGREES FAHRENHEIT

45 77 73 65 68 93 94 102 97 84 87 72 45 46 46 77 73 65 68 95 96 97 103 104 97 86 87 73 73 86 82 93 96 104 101 106 102 94 79 73 73 85 80 82 93 95 104 101 106 100 99 92 87 78 78 78 78 78 78 82 87 87 87 87 87 87 87 87 87 87 87 87 87	YEAR	JAN.	FEB.	MAR.	APR.	MAY	, S	JUL.	AUG.	SEP.	OCT.	NO.	DEC.	ALL
77 73 95 90 97 104 104 97 86 82 96 97 104 106 102 106 97 94 79 106 102 106 97 98 86 97 100 97 98 86 98 98 106 99 98 86 99 98 86 87 99 98 86 87 99 98 87 98 88 88 88 88 88 88 88 88 89 98 105 107 102 98 88 89 89 105 107 107 99 99 89 80 80 98 107 107 107 99 99 80<	6.5			8.0	88	63	50	66	102	66	84	6.9	72	
75 80 86 98 95 104 106 102 94 79 10 10 10 10 10 10 10 10 10 10 10 10 10	9	77	13		50	06	60	103	104	20	98	82	90	
71 72 86 98 95 104 101 106 102 106 106 107 106 99 88 85 6 60 82 86 90 94 96 107 107 108 99 88 85 7 84 79 87 96 100 107 107 102 98 88 85 87 96 107 107 107 98 87 98 87 96 107 107 107 98 89 80 108 107 107 107 99 80	14	7.5	90	82	60	96	a st	104	108	102	76	61	73	108
60 82 88 90 94 98 97 100 99 88 86 98 97 100 99 88 86 98 97 100 103 107 103 99 89 87 87 96 100 103 107 103 98 87 78 87 96 100 101 107 107 99 87 78 87 78 87 78 87 78 87 96 107 107 107 107 107 99 99 87 78 87 98 107 107 107 99 99 87 78 88 89 98 107 107 107 99 <t< td=""><td>24</td><td>7.1</td><td></td><td>58</td><td>96</td><td>0</td><td>104</td><td>101</td><td>106</td><td>100</td><td>92</td><td>06</td><td>60</td><td></td></t<>	24	7.1		58	96	0	104	101	106	100	92	06	60	
50 82 88 90 94 98 97 100 95 92 87 64 78 87 96 105 107 105 99 87 95 87 95 87 96 107 106 99 95 87 78 87 96 107 107 102 97 78 87 96 107 107 102 97 78 87 96 107 10	6.5		32			66	100	102	106	66	88	99	46	
1.	00	09	20	50	06	76	8	26	100	62	85	2	78	100
84 79 88 84 96 100 103 107 102 95 85 73 87 96 105 104 107 103 99 76 73 87 96 105 107 107 103 99 76 85 87 96 106 107 107 103 99 97 79 86 76 89 96 106 107 107 103 99	53	18	19	6.9	90	16	4.6	102	107	103	98	40	84	101
7 82 80 87 95 105 104 106 101 107 102 97 78 78 78 78 89 78 78 78 89 78 89 78 78 89 78 89 78 89 78 89 78 89 78 89 78 89 78 89 79 89 79 78 89 78 89 79 89 79 89 79 78 89 79 89 79 89 79 79 89 79 89 79 89 79 79 89 79 79 89 79 79 89 79 89 79 89 89 79 89 <t< td=""><td>55</td><td>**</td><td>62</td><td>33</td><td>4</td><td>96</td><td>100</td><td>103</td><td>101</td><td>102</td><td>6.0</td><td>83</td><td>77</td><td>107</td></t<>	55	**	62	33	4	96	100	103	101	102	6.0	83	77	107
73 87 94 100 111 107 102 95 76 79 82 97 96 102 107 103 96 80 85 87 76 100 100 100 103 96 80	53	51	200	00	87	66	105	104	108	104	16	150	72	108
73 72 95 97 96 102 104 97 93 67 7 85 96 102 107 103 96 80	40	73	200	76	06	**	100	111	101	102	6.6	78	4	111
79 82 96 89 96 102 107 103 96 80 80 96 102 107 103 99 91 79 80 80 89 79 80 <	55	73	72	96	4.5	96	96	102	104	16	63	8		
85 87 78 81 92 96 108 103 99 91 79 74 87 70 86 86 101 97 103 98 89 78 76 86 85 87 93 101 99 89 78 76 86 86 87 93 102 103 98 89 78 77 86 86 87 93 96 109 109 98 99 88 75 76 87 94 96 109 109 98 99 88 <	96	19	82	96	68	96	102	107	101	103	96	80	80	107
8 66 72 70 90 100 98 102 100 89 79 74 87 88 89 95 101 97 103 98 89 78 75 86 85 80 85 96 95 100 103 98 86 81 75 76 85 80 85 96 100 103 98 96 81 75 70 71 92 87 94 96 102 104 109 99 85 75 70 71 92 87 94 96 102 104 103 99 85 75 70 71 92 87 94 96 102 104 96 92 83 75 70 71 92 87 94 96 102 104 96 99 85 75 70 71 92 87 94 96 102 104 96 99 85 75 70 71 92 94 96 100 107 108 95 89 85 8 83 83 83 83 84 96 100 107 108 95 89 85 8 83 83 83 83 84 96 100 107 108 95 89 85 8 83 83 84 96 100 107 108 95 99 85 8 83 84 96 100 107 108 99 99 85 8 83 84 96 100 107 108 99 99 85 8 83 84 96 100 100 99 88 89 79 8 85 76 85 87 99 99 103 99 99 99 85 8 86 89 100 99 100 99 99 88	57	85	97	78	81	25	96	108	103	66	16	4	7.5	108
74 87 88 89 95 101 97 103 98 89 78 75 86 86 86 98 100 103 98 86 83 77 88 36 80 97 101 99 86 83 78 70 78 87 93 96 105 104 103 98 85 78 70 78 87 93 96 102 104 103 96 83 78 70 71 92 87 94 100 107 108 95 89 83 78 83 83 83 100 100 107 108 95 89 83 85 76 83 83 100 100 100 100 92 88 85 76 83 83 106 106 107 99 91 93 83 86 83 93 106 93 96 103 99 91 98 90 96 79 87 88 91 93 106 99 99 90 108 99 96 79 88 91 93 106 99 108 99 91 88	8	99	72	70	06	100	60	102	105	100	68	19	11	105
76 86 85 94 93 102 104 100 99 90 82 1 75 86 87 95 97 101 99 86 83 3 77 88 85 96 100 103 98 86 81 4 76 67 78 83 93 94 106 103 96 81 88 86 81 88 86 81 86 81 86 81 86 82 83 8	20	74	87	88	68	26	101	46	103	98	69	193	7.2	103
1 73 79 84 87 95 97 101 99 86 83 77 88 85 90 103 98 90 103 98 86 81 75 76 67 78 88 93 97 101 105 104 103 98 86 81 75 70 70 78 87 93 96 102 101 96 92 83 75 70 85 87 94 96 102 101 96 92 83 83 83 83 83 83 83 83 83 83 83 83 83	09	16	86	6.9	76	6	102	104	100	66	06	82	73	104
76 86 80 85 96 98 100 103 98 91 82 4 76 67 78 83 93 97 106 109 103 98 36 7 70 78 87 93 96 102 101 96 89 89 88 81 89	0	73	10	79	200	6.6	00	46	101	66	98	20	73	101
4 77 88 36 100 97 101 105 103 98 36 4 76 67 78 88 93 97 106 109 100 86 81 5 70 78 87 94 96 102 101 96 92 83 7 84 80 94 100 107 108 95 83 8 70 83 84 100 107 108 95 83 8 83 81 87 93 106 107 99 93 83 8 85 87 93 106 107 99 99 99 107 99 99 109 89 99 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 109 <t< td=""><td>62</td><td>16</td><td>82</td><td>000</td><td>83</td><td>96</td><td>100</td><td>100</td><td>103</td><td>50</td><td>91</td><td>8 2</td><td>7.1</td><td>103</td></t<>	62	16	82	000	83	96	100	100	103	50	91	8 2	7.1	103
4 76 67 78 83 93 97 106 109 100 86 81 5 70 71 92 87 94 96 102 101 96 92 83 7 70 71 92 87 94 96 102 101 96 92 83 8 75 70 82 87 94 96 107 108 95 93 83 8 75 70 82 87 93 106 107 99 93 83 84 99 107 99 99 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 89 79 89 99 109 <td< td=""><td>63</td><td>11</td><td>88</td><td>98</td><td>100</td><td>20</td><td>101</td><td>105</td><td>104</td><td>103</td><td>86</td><td>98</td><td>69</td><td>105</td></td<>	63	11	88	98	100	20	101	105	104	103	86	98	69	105
55 75 70 78 87 93 96 102 104 103 94 83 7 71 92 87 94 96 102 101 96 92 83 8 75 70 87 94 96 102 101 96 92 83 8 75 70 87 87 93 106 107 108 93 83 8 83 87 93 103 96 107 99 99 99 79 8 83 87 93 106 106 96 89 79 89 79 8 81 83 96 96 103 99 99 99 99 99 99 79 8 83 100 91 99 99 99 99 99 99 99 99 99 99 9	70	16	67	78	80	6.6	26	106	109	100	86	81	10	109
70 71 92 87 94 96 102 101 96 92 83 7 84 80 94 100 100 107 108 95 83 8 75 70 82 84 98 99 102 98 93 83 8 83 81 87 93 105 107 99 93 84 8 85 87 93 106 107 106 96 89 79 8 85 87 93 106 107 99 99 79 8 81 87 93 106 103 99 99 79 8 83 106 99 108 109 99 99 99 99 9 81 83 106 99 108 100 95 99 99 99 99 99 <	63	75	10	78	3	6	96	102	104	103	56	0	4	104
84	99	70	7.1	92	20	36	96	102	101	96	92	63	4 00	102
8 75 70 82 85 94 98 99 102 98 93 83 84 85 83 83 83 83 83 83 83 83 83 83 83 83 83	67	700	00	66	46	100	100	107	108	56	89	38	4	108
83 83 83 84 87 93 163 166 167 99 93 84 84 85 76 85 87 93 166 166 166 96 89 79 79 81 82 81 87 92 96 169 169 95 97 92 83 74 79 81 83 96 94 99 99 163 99 96 79 84 82 83 166 99 163 99 99 96 79 96 79 96 90 91 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 96 90 92 88 90 92 88 90 92 88 90 92 88 90 92 88 90 92 88 90 90 92 88 90 90 90 92 88 90 90 90 90 90 90 90 90 90 90 90 90 90	68	75	20	63	80	76	86	66	102	00	63	20	11	102
1 60 78 91 83 97 99 104 106 96 89 79 10 10 10 10 10 10 10 10 10 10 10 10 10	69	63	63	83	8.7	6.6	103	106	107	66	63	78	16	101
1 60 78 91 87 90 96 103 95 97 92 83 10 81 82 91 93 93 106 99 103 99 96 79 96 96 99 103 99 91 90 85 96 99 100 92 88 96 90 90 90 91 90 85 90 91 90 92 88 90 91 90 92 88 90 91 90 92 88 90 91 90 92 88 90 91 90 92 88 90 90 92 88 90 90 90 90 90 90 90 90 90 90 90 90 90	70	8	76	00	6.3	5	56	104	106	96	89	20	80	106
2 81 85 91 93 93 106 99 103 99 96 79 3 74 79 81 83 96 94 99 99 91 90 85 4 82 83 100 91 96 99 108 100 92 88 0.	7.1	03	78	16	9.1	06	96	103	66	26	26	83	7.8	103
3 74 79 81 83 96 94 99 91 90 85 4 82 83 100 91 96 99 108 100 92 88 0.	72	18	89	16	66	60	106	66	103	66	96	19	7.5	106
4 82 83 100 91 96 99 108 100 92 48 in o.	7.3	74	19	83	63	96	76	66	66	16	06	50	67	66
D. 088.	74	82	6.9	100	16	96	66	108	100	62	98		19	
S. D. TOTAL OBS.	MEAN													
TOTAL OBS.														
	TOTAL OBS.													

0

EXTREME VALUES

MAXIMUM TEMPERATURE

WHOLE DEGREES FAHRENHEIT

DALLAS, TEXAS

93901 STATION

ALL		101								105.2	3.01	1171
DEC.	78	88								77.3	4.418	665
, 0 X	6 8 4	20					0			63.0	3.605	960
OCT.	100	66								91.9		1023
SEP.	101	104								99.1	3.307	066
AUG.	100	103								103.7		1023
JUL.	101	101							1		500	266
JUN.	900	101								0.66	~	066
MAY	68	6								94.6	N	266
APR.	\$ 8 3	50								89.2	4.509	960
MAR.	19 CO	82								89.6	0.392	961
FEB.	36	25								0	5.952	873
LAN.	# C	72								77.2	4.710	961
YEAR	7.2	11								MEAN	S. D.	OTAL OBS.

NAVWEASERVCOM

N

706161

MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

DALLAS, TEXAS 93901 STATION

45-77

YEARS

/BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	, NOL	JUL.	AUG.	SEP.	OCT.	NOV		DEC.
94			36										
69		S & &											
64	29		30	8 6 8									
54											E 0.2		
28					30								
												1	
MEAN													
S. D.													
TOTAL OBS.													

NAVWFASFRVCOM

MINIMUM TEMPERATURE

DALLAS, TEXAS

93901 STATION

WHOLE DEGREES FAHRENHEIT

ALL			1			12		25				17	17	16	æ	17	75	~	80	10	1.1	01	21	12	91	13	0	14	3				
DEC.	1.1	80	25	54	56	75	1.8	52	81	28		26	22	97	56	22	19	61	11	91	35	10	54	15	20	22	30	15	22	50			
NO N	23	32	33	2.58	53	ec	23	90	35	20	53	58	33	2	200	50	36	37	30	2	36	30	-	27	52	~	2	90	33				
OCT.	37	40	20	35	04	47	24	36	04	30	37	4 50	31	4	33	*	4	4.	84	99	**	96	04	38	38	37	4.1	4	33	*			
SEP.	21	26	21	64	83	22	25	65	26	25	01	27	55	57	S	e a	52	66	25	26	24	36	94	2	28	53	4.7	4.3	34	4.3			
AUG.	6.8	69	69	69	63	63	11	72	90	99	40	63	99	40	67	10	29	69	68	32	99	29	99	40	60	99	40	99	40	65			
JUL.	99		63	89	10	29	69	63	69	75	50	74	10	99	10	5	89	20	7.5	69	3.9	73	63	99	72	50	38	62	63	69			
NO.	09	50	3.4	56	99	61	62	69	6.8	54	26	6.2	6.3	S	64	99	09	6.5	89	54	63	99	99	5	96	34	6.5	57	6.1	09			
MAY	94		0.0	43	99	26	23	94	6.4	36	2,2	(Z)	04	25	20	*	5,1	4	64	21	51	94	4	6.4	4	94	**	54	77	20			
APR.		43				5	39	38	4	36	40	39	32	42	36	42	04	36	4.7	16	4.1	36	4.3	36				41					
MAR.	33		25					30																									
FEB.			21		6	30		30	52	50	82	52	37	18	54	17	58	20	21	52	1.7	21	22	54	56	21		20					
JAN.		20	-	*		19	47	26	20	1.5	25	1.7	17	53		53												7.4	2	16			
YEAR	4.3	46	1.4	40	64	20	5,	52	20	ň	53	36	22	58	20	09	61	62	63	49	69	99	67	6.6	69	70	7.1	72	73	74	MEAN	S. D.	TOTAL OBS.

MINIMUM TEMPERATURE FROM DAILY OBSERVATIONS

DALLAS, TEXAS

STATION NAME

106EC

48-77

YEARS

WHOLE DEGREES FAHRENHEIT

ALL		61	13.2
DEC.	61		20.7
NON	6.7	C C	998.5
OCT.	36	384	1023
SEP.	0 40		066 4.52.4 7.52.4
AUG.	6.8	54	2.837
JUL.	19	2	5.131
Š	65	40	60.09
MAY	6.4	96	69.6
APR.	32		38 1 4 - 34 3 930
MAR.	3.5	38	50.3
FB.	18	92	22.1 6.271 675
, AN	25		15.2
YEAR	75	; E	MEAN S. D. OTAL OBS.

771

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

DALLAS, TEXAS

93901 STATION

45-77

YEARS

MADLE DEGREES FAHRENHEIT

WEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
9			8 C		4 to		270						MIN TEMP
20		23	2.6	29									MIN TEMP
64	2 62			41									MIN TEMP
74											23		MIN TEMP
7.5					808								MIN TEMP
MEAN													
S. D.													
TOTAL OBS.													

Fig.	STATION	1			s	STATION NAME	ME								YEARS					MONTH	
1																			•	AGE 1	2
0 1.2 3.4 5.6 7.8 9.10 11.13 13.415.16 17.18 19.20 27.23 25.25 27.23 27.03 13.0 Park B. Dyr Bub Wee Bub Daws 19.10 Park B. Dyr Bub B	Temp.							WET BUL	3 TEMPER	ATURE DE	PRESSION	(F)					Ĕ	TAL		TOTAL	
17 17 17 17 17 17 17 17	(F)	0					- 10	- 12		- 16	- 18	- 20 21	22 23 -	25 -	27 - 28	- 30		Control of	Bulb		v Po
1	-												-					m	m		
75	1								•				7.				-	4	*		-
73 74 75 76 76 77 78 79 70 70 70 70 70 70 70 70 70	-																_	en	7		
10 10 10 10 10 10 10 10	1					-	- 2				-							4	4		
603	-																	10	10		
65	-				•			•					~					13	12		
655	-		2					7										82	60	•	
95 - 2 - 4 - 2 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	-		1															100	4	-	
55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-		0	1													-	33	32	10	
55 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						•		4									_	10	2	- 10	
55 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12			1	2			1				-					-	00	50	-	-
5.5 1 .	5		10	•	-	9	ra ·											2	200		• -
51 1 3 10 10 10 10 10 10 10 10 10 10 10 10 10	5		9	•			•			-							-	4 2	43	23	-
51 1 2 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10		- '		tr.													_	3	4	4	• -
45 - 2 3 3 3 3 3 3 3 3 3	2		'									-	-				+	100	000	200	1
47 . 2 1.3 . 0 1.0 . 4 . 7 . 2 . 2 . 2 . 2 . 2 . 3 . 3 . 3 . 3 . 3	1 3	• '	• •	•		_		•										2	. 4	4 - 4	4 6
45 - 2 9 9 9 7 7 7 7 7 7 7	4	•	-		-	1	•	1								-	-	63	62	99	3 54
41 .2 1.9 1.5 1.4 .6 .2 .2 .1 .1 .1 .2 .9 .9 .1 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	5	•	-	•	-	•	. •						_					11	77	77	1
41 .2 1.9 1.6 1.8 1.0 .6 .2	5		-	-	-	0.		•					-					11	77	75	100
39 1. 1. 1. 2	4 /	•	-	1	-	1.0	•	•										6	16	77	4
35 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 0 . 6 . 2 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . 9	50	•	-	1.	1.	•		. 1										09	09	88	S
35 . 2 . 9 . 9 1. 0 . 6 . 2 . 6 . 2 . 6 . 2 . 6 . 2 . 6 . 2 . 6 . 1 . 1 . 1 . 1 . 2 . 6 . 2 . 2	~	1.	~	•	-	•												2	87	100	0
23 . 5 1. 5 . 6 . 6 . 7 . 6 . 6	a	•		•	-	•	. •											40	40	80	0
27 1.0 1.3 .0 .6 .0 .1 .1 .1 .1 .2 .1 .1 .1 .2 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .48 .2 .2 .2 .2 .48 .2 .2 .2 .2 .48 .2 .2 .2 .2 .48 .2 .2 .2 .2 .48 .2 .2 .2 .2 .2 .2 .48 .2 .2 .2 .2 .2 .48 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	1 3	•	7	•		9.												46	94	70	•
27 1.0 1.3 .6 .6 .1 .43 .49 60 .22 .2 1.4 1.0 .4 .3 .1 .10 .4 .3 .1 .10 .4 .3 .1 .10 .4 .3 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	1	•	-	~		•											-	29	62	16	0
25 . 2 1. G 1. 3 . 6 . 6 . 1	2 /		-	-	3	•												52	55	62	-
23 .2 1.6 .4 .2 .2 .2 .4 .5 .2 .2 .4 .5 .2 .2 .2 .4 .5 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	7		-	•	•	•												43	4	09	-
23 . 2 1. 9 1. 0	2		-	•	•													22	22	84	
21 21 21 30 17 22 2 11 11 12 18 26 29 19 29 15 2 2 2 2	7 7		-	1.	•							-						37	37	36	arı.
17 . 2 . 9 . 3 . 1 . 11 . 24 . 20 . 11 . 11 . 24 . 24 . 25 . 12 . 20 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 .	7	2.	•	•														1.0	18	62	•
15 · 2 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6	-	4.	•	•	•													21	2.1	30	•
15 . 2 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6	1	143	•	•														:	11	54	
(X) Σχ ² Σχ X σ _X No. Obs. Mean No. of Hours with Temperature m.	1 /		•															0	0	•	4
(X) 2X	-	7.	1				1			-		-	-				1	0	1	6	٦
10F 167F 173F 180F 193F	Element (X)		ZX.			×	1	1×	σ×	2		-			Mean No		wi#	mperature			1
Dry Bulb Wet Bulb	Rel. Hum.												0	32	≥ 67 F	≥73		80	93	Toto	_
Wet Bulb	Dry Bulb																				
	Wet Bulb																-				

H	S.T.)		Wet Bulb Dew Point	34	212	16	2 2	na	~			Total	744.0	744.0	-
MONTH	PAGE Z HOURS (L.S.T.)	TOTAL	Vet Bulb	40		-				1540					
	64		Dry Bulb V	-		-					1.	≥ 93 F			
		TOTAL	mi l	-	1	-				1540	Mean No. of Hours with Temperature	≥80 F	1.8		
			≥31 D.								urs with 1	≥73 F	8.4		
			29 - 30								lo. of Ho	7 2 7	*	80	
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STATION	STATION NAME															2							
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Element (X)		1X x			×		l×		, x		No. Obs.					ž	No.	of Hours	with Te	Mean No. of Hours with Temperature	9		
Rel. Hum.		479	3206		694	16	61.5		21.447	1	1128	60	10 F	L.	≤ 32 F		₹ 57 ₽	≥73 F		≥ 80 F	≥ 93 F		Total
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Wet Bulb		233	2330017		50037	37	44.4	1 1	9,898	63	1128	8			61.								672.0
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Dry Bulb	Rel. Hum.												0	VI				2.80	F ≥ 93	L	Total
Wet Bulb	Wet Bulb																				

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PAGE 2 HOURS (L.S.T.)	TOTAL	Dry Bulb Wet Bulb Dew Point					1240			ture	293 F	6 1.2 744.0	744.0
	TOTAL		-							with Tempera		2 30.6	
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		3 - 4 5 - 6					4.1				1906	4517567	9003
		0 1.2					6. 6.14.7	·		ΣX^2	355	451	344
	Temp.	+	28/ 27	-	22/ 41	_	/ 13			Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb

Trent	(F)																	2	PAGE LAT.)	S.T.)
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	Dry Bulb	-				-	1	-		-		-	-		-		-		-	1

TH	L.S.T.)		Wet Bulb Dew Point	7 4 1 1200			Total	720,0	720.0
MONTH	PAGE 2 HOURS (LS.T.)	TOTAL	Wet Bulb		1500				-
			Dry Bulb V	1200		e.	≥93 F		
		TOTAL	D.B./W.B.		1500	Temperatur	≥80 F	36.6	
			131			Mean No. of Hours with Temperature	≥73 F	81.2	0.0
			29 - 30			No. of H		~	
YEARS			5 27 - 28 29	8		Mean	≥ 67 F	345.6	- 1
			24 25 - 26 27				≤ 32 F	9.	9 6
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		(F)	20 21 -	.68			VI		
11-61		WET BULB TEMPERATURE DEPRESSION (F)	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	3.2		No. Obs.	1200	1200	1200
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STATION NAME			7 . 8	718,213,710.6		X X	7707	78084	61880
			5.6	18.2					
20			3 - 4	119.			22930	5201940	3472
MALE ASS IEANS			1 - 2	.211.119.		ΣX^2	24	32	40
7			0						
STATION		Temp.	(F)	22/ 21 20/ 19 18/ 17 TOTAL		Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb

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		TOTAL D.B./W.B.		1540	Mean No. of Hours with Temperature	≥ 80 F	88.2		
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	8 /9			0		-							0	0.	0	0		460			
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77	4 / 6					•	14											844			
73 . 0 . 6 . 1 . 2 . 3 . 3 . 3 . 2 . 2 . 1 . 1 . 0 . 0 . 0 . 767 . 767 . 358 . 778 . 0 . 2 . 1 . 1 . 1 . 0 . 0 . 0 . 0 . 0 . 767 . 767 . 768 . 7	3 9			•	•	2 .							•	0	2	> 0			1		-
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73	1		•	•	-								0	0	0			78.			
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71 .1 .4 .9 1.1 .5 .5 .2 .2 .1 .1 .1 .0 .0 .5 .9 .929 729 .1 .3 1.0 .7 .5 .3 .3 .2 .1 .1 .1 .0 .0 .5 .9 .929 729 .1 .3 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1	•	•	-	-								7	0				130		-	29
69 1 3 1 0 7 5 3 3 2 1 1 1 1 0 0 0 0 0 0	61	•	•	•	-		es.				2	7.	. 1	0				626		-	76
65 13 9 6 15 15 15 15 15 15 15	9/	•	•	-	•	.5	177				-			0				586			129
65 12 13 14 15 15 15 15 15 15 15	0	•	•								2		0					34			116
63	9 /	•	•	•	•	4.	17						0					516			6
59 -2 -4 -5 -5 -5 -4 -3 -2 -1 -1 -0 -0 -0 -0 -0 -0	0	•	•	•	•	4.	4.					-						570			7.
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57 12 14 7 15 13 13 12 10 10 10 10 10 10 10	5	•	•	•	•	.5				-	0.							43			9
55 22 55 7 55 55 54 53 52 10 10 10 10 10 10 10 1	1 3	•	•															470			56
53 - 2 - 5 - 5 - 5 - 5 - 4 - 3 - 2 - 1 - 0 406 406 560 485 47 - 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	8	•	•		ľ													48			54
51	1		•		•	4	25											400			
47 2 4 5 3 4 2 1 0 378 378 378 326 47 367	3	1				50	7								-			63			3
47 2 4 5 5 5 5 5 5 5 5 5	1		•		•													375			74
(4) 2 x²	4	1		•		4	0				-							36			4
(X) $\frac{2}{2}$ X	4		•	•	•.													96			4
(X) \(\tilde{\infty}\) \(7	•	•	•	•	10				-		-			-						
(X) Σχ²	1 / 6	•	•	•	•													9 6			2004
m.	r ×		XX2			٠×		•	O'X	-		-			×	o Z	Hours		ature		
	Rel. Hum.									-		-	0	32	-		273 F		2 93	-	Total
Wet Bulb	Dry Bulb						-		-	-					+					-	
Wet Bulb	200						-	1			-	-	-							+	
	Wet Bulb																				

1.5.7.)		Dew Point	370	416	347				314		219	180	171	122	80	0	4 0	2	4 6	- 2		0	0	2	-	14001			Total	8760.0	760.0
PAGE Z HOURS (L.S.T.)	TOTAL	Wet Buib	00	341	351	239	539	176	124	66	2	20	4	28	12	2		7	•	•						4407	8				
70	1	ging	*67	248	179	140	131	115	8	41	26	54	2	13	2 5	-	•	4		•		-				-	4		≥ 93 F	322.3	
		Dry	4 6				-	5	8 50	14	90	4	te!	23	N!	1		4	-	-		-	_		1	1		erature	4	4.	1.2
	TOTAL	0.0.	2	24	-	*		=	CED .	•	127	~	~													14407		of Hours with Temperature	≥80 F	\$004.4	10
	1	131																-							-	•		ours wit	≥73 F	13590.1	484.8
		35		1										1		1		1		1					1	•			ΛI	359	148
		78 29		+	_	-	_	-	_	-		+		+		+		+		+		-	-	-	•	,		Mean No.	≥ 67 F	305.14642.83	0.2
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		07										1				1		T		T					-	n N				~	
	WET BULB TEMPERATURE DEPRESSION (F)	13 - 14 15 - 16 17 - 18 19		1		-	-			-		1		+		+		+		+		-	-	-	-	-		No. Obs.	094	14607	640
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	RATUR	2 - 10																							-	2			1	9	-
	FEMPE	4		1										1				1		T					-	-		σ×	.24	7.186	5
	BULB		0	+		-			_	-		+		+		+	-	+		+		-		-	-	0	-		- Bard	-	
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		-	2	2		0	-		7.	0	0	0	0.	0	0	9	-	0	-	2		-		-		.011		XX	65	67	63
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	ć	4 4	9	33	35	33	31	2	27	25	23	21	10	17	£ .		-	0				1	1	1				(X)	fum.	3ulb	Bulb
	Temp.	-	100	38/	36/	34/	32/	30/	28/	26/	147	22/	20/	18/	191	141	12/	10	8	10	1	10	2	1 4	19	OTAL		Element (X	Rel. Hum	Dry Bulb	Wet Bulb

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

10866		CALLAS, IEAAS	0440									Street or other Designation of the last of		
STATION			ST	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	Jun.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	40.2	47.9	N		00	-4	M	0	-	63.	53.1	44.7	-
00	S. D. TOTAL OBS	11.246	10.699	0. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1					3.55	7.836	00	0	0	15.679
						1								
	MEAN	36.2	45.0	53,5	59.1	67.2	73.5	77.3	16.9	1.69	60.5	51.0	42.3	
0	S. D.	11.33810.805	10.805	0	0		0	0	-	0	0.6	10	6	
	TOTAL OBS	155	141	15	3	12	15	5	5	15	15	15	15	162
	MEAN	24	0 67			S.		4		œ	œ	0		0
4			200	0 0 0	0	0 0	• 2			VE	3		101	0.0
00	S. D.	11.01850.11	101.01	2			4 5 5	2000				11.747	0	13.000
		Cer	767	2	7	1	7	3	2	1	*	2	12	NI D
	MEAN	35	46.9	56.4	253	m	0	3	0	*	LEY	. 00	4	60
60	S. D.	11.554	9.832	9.91	(1)		1	36.6	3	4	8.13	10.52	9.59	=
	TOTAL OBS	155			150	25				150				
					4	0	1	1						1
	MEAN	0	77 .	03.0	7	0	\$		0	00		2.10	24.0	11.04
77	S. D.	13.03		7							7	7	~	16.897
	IOIAL OBS	661	141	0	0	2	0	2	2	2	61	13	13	20
	MEAN	6.	61.2	-	2	2	0			4			60	4
1.9	S. D.	14.322	12.679	11.58	5	0	-	N	9	8.86	9.44	12.01	11.78	9
	TOTAL OBS	155 14	141			155		155		-	-			-
	MEAN	47.6	87.6	15	-	0	3		0	0	-	0	0	-
18	S. D.	12.308	461	10.56	-	-	5.26	N	0	-	3.27	10.63	9.63	68
	TOTAL OBS	155	141		150	155	-	155		-	-			-
	MEAN	4.	51.6		3	175	.0		(4)	3	5	5	7	169
21	S. D.	11.29910.4	10.467	9.60	4	00	83	. 97	10	7.97	8.09	10.54	9.73	13
	TOTAL OBS	155	141	155	150	155	150	135	155	-	-			-
	MEAN	43.1	51.2	0	15	5			10	100	66.	9	60	100
ALL	S. D.	13.152	12.619	683	. 2	2	7.71	7.77	6	9.758	10.63	12.08	11.73	1.18
HOOKS	TOTAL OBS	1240		1240		1240			1240	1200	•		4	14607
-	-	ŧ	-		1		7	-		-	-	A		-

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY DESERVATIONS

10666	40	SALLENS ICANS				-			-				-	
STATION	*		STAT	ATION NAME						YEARS				
HRS.(L.S.T.))	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	36.5 10.500 155	9.497	9.519	8.687 150	64.0	69.2 4.143	72.3 2.101 154	2.723	65.8 6.735 150	57.4 8.566 155	48.6 11.080 150	40.0 9.563 155	56.2 14.436 1825
03	S. D. TOTAL OBS	35.2 41.2 10.76710.089 155 141	41.2	9.855	84.5 8.984 150	62.00	68.2 4.406 150	71.1	2.747	7.086	56.2 9.128 155	11.488	38.5 9.862 155	14.762
90	S. D. TOTAL OBS	34.1 39.8 11.19810.1841 155 141	39.8	48.2 10.352 155	53.6 9.459 150	62.0 6.699 155	68.2 4.173 150	70.8 2.093 155	2.779	7.426	55.3 9.504 155	11.839	37.7 10.183 155	15.140
60	S. D. TOTAL OBS	36.1 10.996 155	9.334	50.9 9.550 155	57.1 8.365 150	55.9 155	3.793	74.4	73.5	67.8 6.697 150	59.4 8.2771 155	11.148	39.9	15.195
12	S. D. TOTAL OBS	40.8 10.872	9.237	54.0 9.048 155	59.6 7.864 150	5.917	3.749	75.5 2.093 155	75.0 2.591 155	69.9	62.4 8.106 155	52.8 10.916 150	45.2 9.329 155	14.034
15	S. D. TOTAL OBS	42.9 11.131 155	9.038	55.5 8.766 155	7.355	5.817	3.871	75.4	2.517	70.0 6.080	7.463	53.8 10.726 150	8.865	13.341
82	S. D. TOTAL OBS	10.378	47.4 8.873 141	8.659 155	7.263	5.653	3.708	74.6	2.497	6.127	7.679	51.4 10.574 150	43.9 8.623 155	13.695
12	S. D. TOTAL OBS	38.7 10.357 155	8.937	8.83. 1.53. 1.53.	57.8 7.818 150	85.9 1889	3.800	73.2	2.564	66.6	7.863	49.5 10.708	9.080	13.981
ALL	S. D. TOTAL OBS	38.1 11.139 1240	9.899	9.636	8.590 1200	65.6	70.8	73.4	3.147	67.2	8.731	11.291	9.832	14.527

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

DALLAS, TEXAS

STATION 93901

73-77

-						-	-		
ANNUAL	51.5 16.363 1825	51.1 16.576 1826	51.0	52.5 16.787 1826	52.3 16.790 1826	51.6 16.758 1826	51.4 16.636 1826	51.9	51.7
DEC.	33.4 12.557 155	32.7 12.762 155	32.5 12.752 155	34.1	34.5 13.241 155	33.2 13.073 155	33.3	33.8 12.625 155	33.4 12.806 1240
NOV.	43.4	42.9	4.631	4.421	5.337	5.694	5.057	43.4	43.3
OCT.	53.0	52.7 0.8231 155	52.3 11.0031 155	54.7	11.0171	53.5	53.5	53.6	53.5
SEP.	7.7161	62.1 7.8541 150	61.9	63.9 7.8071 150	63.7 8.6751 150	62.5 8.2481 150	61.8 8.0861 150	7.5081	62.5 8.0351 1200
AUG.	3.561	3.452	67.8 3.262 155	2.957	3.662	3.953	3.904	3.490	67.8 3.616 1240
JUI.	68.6 2.901 154	68.2 2.885 155	68.6 2.796 155	70-1 2.986 155	68.8 3.686 155	4.392	67.6 4.042 155	3.480	3.508 1239
JUN.	5.044	5.105	4.604	66.8 4.910 150	5.518	5.835	8.8. 150	5.006	5.252
MAY	60.5	7.151	7.219	7.510	61.3 8.198 155	61.2 8.264 155	8.478 8.478	4.158	7.642
APR.	50.9 11.132 150	50.5 11.076 150	50.3 11.193 150	51.7	51.2 11.684 150	51.4 11.754 150	51.0 11.960 150	\$2.1 10.790 150	51.1 11.348 1200
MAR.	12.194	44.3	12.3851	1.841	45.2 2.194 155	12.287	2.627	45.2	12.173
FEB.	.218 141		35.2 11.890 141	36.6	37.1	36.8	36.2	203	36.4
JAN.	30.9 3 12.60211 155	30.1 36.2 12.75911.793 155 141	29.4 12.9121 155	31.1 36.6 13.16211.7101 155 141	31.6 37.1 13.17512.0431 155 141	31.4 36.8 13.74512.019 155 141	31.3 36.2 13.28411.9091 155 141	31.9 3	31.0 36.4 13.03411.704 1240 1128
	MEAN S. D. TOTAL OBS	MEAN S. D. TOTAL OBS	MEAN S. D. TOTAL OBS	MEAN S. D. TOTAL OBS	S. D. TOTAL OBS	MEAN S. D. TOTAL OBS	S. D.	MEAN S. D. TOTAL OBS	S. D. TOTAL OBS
HRS.(L.S.T.)	00	03	90	6 0	12	2	1.8	12	ALL

RELATIVE HUMIDITY

DALLAS, TEXAS 93901

STATION

STATION NAME

73-77

JAN MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN
30%	60% ROW 80% HUMIDITY
100.0 100.0	72.3 54.8 34.8 12.9 71.4
100.0 100.0	78.1 61.9 43.9 16.8 74.4
100.0 100.0	80.6 61.9 47.7 24.5 76.4
100.0 100.0	74.8 61.3 47.1 25.8 75.
100.0 90.3	38.7 29.0 20.0 7.1 57.8
96.1 79.4	33.5 21.9 16.8 5.8 50.5
98.1 87.1	42.6 27.7 19.4 7.7 57.7
100.0 100.0	62.6 44.5 30.3 8.4 66.7
99.3 94.6	

RELATIVE HUMIDITY

DALLAS, TEXAS 10666

STATION

STATION NAME

73-77

FEB MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	141	141	141	141	141	141	141	141		1128
MEAN	HUMIDITY	6.99	73.0	75.6	70.0	52.5	44.9	0.64	4.09		61.5
	%06	6.6	14.2	17.0	17.7	7.1	4.3	4.3	4:3		6.6
	%08	21.3	35.5	43.3	27.7	12.8	9.5	7.1	16.3		21.7
ATER THAN	%02	39.0	58.2	66.7	53.2	16.3	13.5	14.9	28.4		36.3
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	63.1	78.0	80.1	4.70	30.5	6.61	24.1	8.94		51.2
OF RELATIVE	20%	82.3	91.5	90.1	83.7	9.65	31.2	46.1	74.5		9.89
SE FREQUENCY	40%	7.56	97.2	96.3	93.6	68.1	51.8	67.4	85 89		82.0
PERCENTAC	30%	98.0	6.66	66.3	6.16	67.2	73.8	91.6	64.3		91,5
	20%	100.0	100.0	100.0	100.0	96.5	91.5	92.2	100.0		97.5
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.001		100.0
HOURS	(1.5.1.)	00	0.3	90	60	12	15	18	12		TOTALS
n in Ch	E NOW	14 15 15 15 15 15 15 15 15 15 15 15 15 15									101

AT THE STANDARD OF STANDARD RESERVED TO STANDARD
RELATIVE HUMIDITY JAN 68

DALLAS, TEXAS 10666

STATION

STATION NAME

73-77

MONTH MAR

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	HUMIDITY	68.5	73.4	77.3	4.69	54.8	48.7	51.8	65.0		63.4
	%06	4.4	14.2	17.4	11.6	5.8	3.9	3.9	6.5		9.1
	%08	28.4	41.3	51.6	31.0	14.2	0.6	12.3	18.7		25.8
ATER THAN	20%	51.0	65.2	0.69	54.5	27.1	16.8	20.6	35.5		45.4
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	0.69	74.2	84.5	66.5	38.1	27.7	33.5	56.1		56.2
OF RELATIVE	20%	80.0	87.7	92.9	81.3	57.4	41.3	52.9	73.5		70.9
SE FREQUENCY	40%	92.9	96.1	98.1	94.2	70.3	61.3	63.9	65.2		82.0
PERCENTAC	30%	4.16	98,1	7.66	7.86	61.6	76.8	81.9	95.5		91.2
	20%	5°66	7.66	100.0	100.0	97.4	94.2	93.5	7.66		6.79
	%01	100.0	100.0	100.0	100.0	4.66	100.0	100.0	100.0		6.66
HOURS	(L.S.T.)	00	60	90	60	12	15	1.8	2.1		ALS
TINON		A A A									TOTALS

RELATIVE HUMIDITY

93901 DALLAS, TEXAS

STATION NAME

73-77

PERIOD

APR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DENOM	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	OF RELATIVE	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
E NOW	(L.S.T.)	%01	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
APR	00	100.0	100.0	66.8	6.1.3	88.0	74.0	52.0	28.7	0.0	69.7	150
	60	100.0	100.0	100.0	666	93.3	82.0	65.3	38.0	7,3	74.4	150
	90	100.0	100.0	100.0	6.66	96.0	89.3	7.87	48.7	8.7	78.2	150
	60	100.0	666	7.86	93,3	79.3	70.07	51.3	24.0	4:1	67.4	150
	12	100.0	0.84	87.3	74.0	55.3	41.3	22.0	10.0	2.0	54.5	150
	15	100.0	0.46	81,3	65.3	50.7	31.3	18.7	9.0	2.7	51.0	150
	1.8	66.	7.96	84.7	69.3	54.7	34.7	23.3	10.0	0.4	53,3	150
	12	100.0	100.0	98.0	7.06	79.3	62.0	43.3	20.7	2:7	65.5	150
TOTALS	STA	6.66	98.5	93.7	86.1	74.6	9.09	44.3	53.5	4.8	64.3	1200

RELATIVE HUMIDITY

DALLAS, TEXAS 10666 STATION NAME

73-77

MAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155			1240
MEAN	HUMIDITY	73.3	77.1	81.2	9.99	55.4	51.1	53.9	0.19			65.7
	%06	1.9	1,9	9.0	1.3	9.		2.6				2.3
	%08	28.4	36.8	58.7	11.6	3.9	5.2	4.5	14.2			20.4
ATER THAN	%02	61.9	80.0	0.68	39.4	12.9	13.5	12.3	35.0			43.1
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	6.06	95.5	97.4	70.3	32.3	22.6	30.3	70.3			63.6
OF RELATIVE	20%	1.86	4.66	100.0	88.4	66.5	41.9	58.7	94.2			80.9
GE FREQUENCY	40%	100.0	100.0	100.0	97.4	86.5	7.8.7	83.2	7.96			93.1
PERCENTA	30%	100.0	100.0	100.0	100.0	96.8	8.46	8.46	100.0			98.3
	20%	100.0	100.0	100.0	100.0	100.0	100.0	7.66	100.0			6.66
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
HOURS	(L.S.T.)	00	03	90	60	12	15	1.8	21			ALS
n in Ch	E NOW	MAV										TOTALS

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RELATIVE HUMIDITY

DALLAS, TEXAS 93901

STATION

STATION NAME

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MONTH

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		PERCENTA	GE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
20%		30%	40%	%05	%09	%02	%08	%06	HUMIDITY	OBS.
0.001 0.001	0	100.0	100.0	7.86	83,3	47.3	19,3	3.3	70.5	150
100.0 100.0	0	100.0	100.0	100.0	0.46	7.07	37,3	3,3	76.8	150
100.0 100.0	0	100.0	100.0	100.0	7.86	92.0	55.3	10.0	81.1	150
100.0 100.0	0	100.0	7.86	92.0	67.3	24.0	0.9	1,3	4.49	150
100.0 100.0	0	66.6	85.3	54.7	23.3	6.7	2.7		52.7	150
0.001	-	0.96	70.0	34.7	12.0	4.7	2.7	.7	47.9	150
0.001 0.001		65.3	79.3	42.0	20.7	7.3	2.0		6.09	150
100.0 100.0		100.0	66.3	0.88	57.3	26.0	6.3	.7	63.4	150
100.0 100.0	11	9.86	91.6	76.3	57.1	35.6	16.8	2.5	63.5	1200

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RELATIVE HUMIDITY

DALLAS, TEXAS 10686

STATION NAME

73-77

MONTH 305

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	154	155	155	155	155	158	155	155		1239
MEAN	HUMIDITY	68.5	74.3	79.2	63.7	49.5	45.9	50.0	62.2		1.10
	%06	5.6	3.2	5.2	••		1:0	9.	1:9		2.1
	%08	17.5	26.5	51.0	7.7	3.6	2.6	8.4	12.3		16.1
ATER THAN	%02	37.0	0.69	85.8	25.8	4.5	4.	14.8	23.9		33.7
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	75.3	91.0	97.4	62.6	15.5	12.3	20.6	52.9		53.5
OF RELATIVE	20%	92.9	98.7	100.0	88.	45.2	31.0	35.5	76.1		71.0
SE FREQUENCY	40%	100.0	100.0	100.0	98.1	76.1	9.09	0.69	98.1		67.7
PERCENTA	30%	100.0	100.0	100.0	100.0	96.0	87.7	6.26	100.0		97.2
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	03	90	60	12	2	1.8	21		ALS
HINOM		JUL									TOTALS

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RELATIVE HUMIDITY

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SUA MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	158		1240
MEAN	HUMIDITY	67.3	73.2	78.9	65.5	51.3	45.0	8.84	60.7		61.3
	%06	5.6	9.	3.2	2.6	1.3	1.3				1.5
	%08	4.6	16.1	36.8	6.5	5.6	1.9	1.9	9.0		6.6
ATER THAN	20%	35.5	67.1	91.6	23.2	30	4.5	6.5	3.4		31.1
HUMIDITY GRE	%09	73.5	8.46	7.86	71.6	14.8	11.0	18.1	47.1		53.7
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	98.1	100.0	100.0	7.36	44.5	18.1	32.9	85.8		72.3
GE FREQUENCY	40%	100.0	100.0	100.0	100.0	87.7	62.6	72.3	100.0		90.3
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	8.96	7.86	100.0		4.66
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	03	90	60	1.2	15	18	1.2		TOTALS
TINOM	L L L L L L L L L L L L L L L L L L L	DOV									101

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00 10 00 10	100/		PERCENTA	GE FREGUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL
00 09	0	20%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	OBS.
	100.0	100.0	100.0	86.3	7.96	74.7	54.7	30.0	7.0	72.5	150
	100.0	100.0	100.0	100.0	98.7	40.0	70.0	43.3	16.0	77.9	150
	0.001	100.0	100,001	100.0	100.0	46.7	80.7	50.7	26.7	81.3	150
	0.001	100.0	100.0	7.86	95.3	78.7	46.0	24.0	8.0	70.5	150
12 10	0.001	100.0	98.0	0.88	61,3	34.0	18.7	10.7	2.7	56.7	150
15 10	100.0	100.0	93,3	70.0	43.3	25.3	14.7	6.7	2.0	51.1	150
18 10	0.001	100.0	0.86	82.0	96.0	36.7	18.7	10.7	0.9	56.1	150
21 10	100.0	100.0	100.0	7.86	83.3	60.7	33.3	20.0	0.0	66.2	150
TOTALS 1(100.0	100.0	4.86	91.8	79.3	62.2	42.1	24.5	9.5	66.5	1200

RELATIVE HUMIDITY

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TOTAL	OBS.	155	155	155	155	155	155	155	155			1240
MEAN	HUMIDITY	71.9	76.7	8.67	69.5	53.9	48.2	55.8	6.99			68.3
	%06	4.7	20,02	25.8	10,3	5.2	1.9	5.6	5.2			10.1
	%08	36.8	43.2	43.9	24.5	7.6	7.7	0.6	21.9			24.6
ATER THAN	%02	56.1	9.09	74.8	44.5	17.4	13.5	21.9	45.8			8.14
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	70.3	86.3	6.26	67.7	32.3	23.2	38.1	64.5			59.4
OF RELATIVE	20%	6000	8.46	96.1	90.3	50.3	39.4	55.5	61.9			74.8
GE FREQUENCY	40%	98.1	4.66	4.66	4.7.4	76.1	57.4	81.3	92.9			87.8
PERCENTA	30%	100.0	100.0	100.0	100.0	90,3	3.2	\$2.3	100.0			95.7
	20%	100.0	100.0	100.0	100.0	4.66	96.8	5.56	100.0			99.5
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
HOURS	(L.S.T.)	00	60	90	60	12	1.5	1.8	2.1			TOTALS
DENOM	HINOW	130										101

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MONTH

	HOURS			PERCENTA	GE FREQUENCY	OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL
MONIE	(L.S.T.)	10%	20%	30%	40%	20%	%09	%02	%08	%06	HUMIDITY	OBS.
NON	00	100.0	100.0	66.3	85.3	82.0	72.0	58.0	36.0	16.0	711.7	150
	60	100.0	100.0	98.7	96.0	88.7	20.7	68.0	0.44	24.0	76.2	150
	90	100.0	100.0	99.3	7.96	91.3	81.3	74.0	49.3	28.7	78.5	150
	60	100.0	99.3	0.86	98.3	8.7.3	72.0	59.3	40.7	16.0	72.8	150
	12	100.0	0.86	88.7	70.0	54.0	45.0	29.3	16.0	0.9	55.9	150
	1.5	100.0	95.3	75.3	56.7	45.3	30.7	23.3	10.7	0.4	8.64	150
	18	100.0	7.86	91.3	73.3	64.7	46.7	29.3	15.3	7.3	58.5	150
	17	100.0	100.0	66.3	91.3	75.3	63.3	44.0	26.7	8.7	0.70	150
TOTALS	ALS	100.0	98.9	93.7	4	73.6	61.1	48.2	29.8	13.8	66.3	1200

RELATIVE HUMIDITY

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TOTAL	OBS.	155	155	155	155	155	155	155	155		2.240
MEAN	HUMIDITY	67.2	71.0	73.6	70.5	51.6	44.0	52.9	61.9		61.6
	%06	4.4	13.5	18,1	12.9	3.2	3.2	5.2	4.5		- ac
	%08	24.5	33.5	36.1	31.0	7.6	7.7	10.3	16.1		21.1
ATER THAN	%02	0.64	52.9	61.3	54.2	20.0	13.5	20.6	34.2		38.2
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	5.59	73.5	78.7	72.9	31.0	22.6	33.5	54.8		0.40
OF RELATIVE	20%	80.0	87.1	91.0	83.9	51.0	32.3	50.3	70.3		66.2
SE FREQUENCY	40%	91.6	93.5	5.8	94.2	64.5	52.3	4.89	87.1		6.08
PERCENTA	30%	4.70	98.1	98.1	96.8	6.6	64.5	35.8	8.46		6.68
	20%	100.0	7.66	100.0	100.0	96.1	0.68	2.46	7.86		97.2
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.00
HOURS	(L.S.T.)	00	60	90	60	12	15	18	21		TOTALS
THOM	E NOW	Dec									TOT

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	HOURS			PERCENTA	GE FREQUENCY	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
E NOW	(L.S.T.)	10%	20%	30%	40%	%05	%09	%02	%08	%06	HUMIDITY	OBS.
JAN	ALL	100.0	99.3	94.6	88.6	73.8	9.09	4.54	32.5	13,6	66.3	1240
en en		100.0	97.5	91.5	95.0	68.6	51.2	36.3	21.7	6.6	61.5	1128
0.00		6.66	97.9	91.2	82.	70.9	56.5	45.4	25.8	9.1	63.4	1240
o d v		6.66	98.5	93.7	86.1	74.6	9.09	44.3	23.5	4.8	64.3	1200
MAY		100.0	6.66	98.3	93.1	80.9	63.6	43.1	20.4	2:3	68.7	1240
NON		100.0	100.0	98.86	91.6	76.3	57.1	35.6	16.8	5.5	63.5	1200
301		100.0	100.0	97.2	87.7	71.0	53.5	33.7	16.1	2.1	61.7	1239
AUG		100.0	100.0	4.66	90.3	72.3	53.7	31.1	6.0	1.5	61.3	1240
2 3 5		100.0	100.0	48.7	8.16	79.3	62.2	42.1	24.5	6.6	66.5	1200
100		100.0	99.5	7.56	87.8	74.8	59.4	41.8	54.6	10.1	65.3	1240
NON		100.0	6.86	43.7	84.3	73.6	61.1	48.2	29.8	13.8	66.3	1200
DEC		100.0	97.2	69.68	80.9	68.2	24.0	38.2	21.1	8.8	9.19	1240
101	TOTALS	100.0	99.1	95.2	0.78	73.7	57.8	40.5	22.2	7.3	0.49	14607
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88.3 88.3 88.3 71.4 28.6 88.3 88.3 10.0	TEMP.	NN %	NNE NE	ENE ENE	ESE & SE	SSE	\$5W & \$W	wsw 8 w	WNW 8	CALM	TOTAL FREQ.	% OF TOTAL
12 2 2 2 2 2 2 2 2 2	122+											
8.3	117 TO 121											
8.3	112 TO 116											
8-3 2-9 71.4 28.6 8-6 8-6 8-7 75.0 8-3 3-1 9-4 8-3 3-1 9-4 8-3 3-1 9-4 8-3 3-1 9-4 8-3 3-1 9-4 8-3 3-3 1-5 1	107 TO 111											
8.3 8.3 8.3 71.4 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8	102 TO 106											
8.3 8.3 71.4 28.6 6.3 1.6 6.3 1.6 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 3.3 10.0 13.3 5.8 5.8 5.7 13.3 5.8 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.3 5.8 5.8 5.8 13.4 5.8 5.8 5.8 13.5 5.8 5.8 5.8 13.6 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5.8 5.8 13.8 5.8 5	97 TO 101											
8.3 2.9 (6.3) 1.6 (7.4) 26.6 (8.3) 8.6 (8.4) 8.6 (8.5) 1.6 (8.5) 1.6 (8.6) 1.7	92 10 96											
8.3 6.3 71.4 28.6 6.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	87 10 91											
8.3	82 TO 86											
8.3	77 10 81					71.4	28.6				1	9.
2.9	72 10 76					75.0	8.3			8.3	12	1.0
Section Sect	67 10 71		2.9		5.7	68,6	8.6	8,6		5.7	35	2.8
13-3 5-8 3-3 10-0 48-9 16-7 6-7 2-2 3-3 90 13-3 5-8 3-3 4-2 40-8 11-7 2-5 10-8 7-5 120 19-0 8-5 2-1 8-5 22-5 9-2 8-5 14-1 7-7 14-2 18-0 8-6 5-1 8-6 22-5 7-8 14-1 7-7 14-2 18-0 8-6 5-3 10-2 10-9 -8 14-1 21-9 194 25-0 11-7 3-1 2-3 10-2 10-9 -8 14-1 21-9 194 13-3 11-3 7-3 3-2 8-8 5-9 1-5 20-6 4-4 68 13-3 11-3 7-3 3-2 8-8 5-9 1-5 20-6 4-4 68 13-3 11-3 1-5 10-0 100-0 100-0 13-3 13-3 10-0 10-0 10-0 11-2 1240 13-3 13-3 13-4 13-5 12-6 11-5 11-5 13-3 11-2 11-5 11-5 11-5 11-5 13-3 11-2 11-5 11-5 11-5 13-3 11-2 11-5 11-5 11-5 13-3 11-2 11-5 11-5 11-5 13-3 11-5 11-5 11-5 11-5 13-3 11-5 11-5 11-5 13-4 11-5 11-5 11-5 13-5 11-5 11-5 11-5 13-5 11-5 11-5 11-5 13-5 11-5 11-5 11-5 13-5 11-5 11-5 13-5 11-5 11-5 13-5 11-5 11-5 13-5 11-5 13-5 11-5 11-5 13-5 11-5 13-5 11-5 13-5 11-5 13-5 12-5 13-5 13-5 13-5	62 TO 66	6.0	1.6			6.94	17.2	6.3	1.		99	5.2
13.3 5.8 3.3 4.2 40.8 11.7 2.5 10.8 7.5 120 19.0 8.5 2.1 8.6 22.5 9.2 8.5 14.1 7.7 142 21.7 6.6 5.1 8.6 25.3 7.1 6.1 7.6 12.1 194 25.0 11.3 7.3 12.3 10.2 10.9 6.7 11.9 14.9 12.6 25.0 11.3 7.3 3.2 8.8 8.8 5.9 1.5 20.6 4.4 68 21.5 5.9 1.5 8.8 5.9 1.5 20.6 4.4 68 21.5 5.9 1.5 2.4 4.9 9.8 12.2 41 22.4 4.9 9.8 12.2 41 23.3 2.4 26.7 60.0 100.0 1 24.4 2.6 2.7 60.0 100.0 1 25.5 2.6 2.6 2.6 3 10.0 4.7 11.0 11.2 1240 1	57 TO 61	8.9	6		10.0	6.84	16.7	6.7	2.2		06	7.3
19.0 8.5 22.5 9.2 8.5 14.1 7.7 142 21.7 5.6 5.1 8.6 25.3 7.1 5.1 7.6 12.1 199 18.0 18.6 5.1 13.9 7.1 5.1 7.6 12.1 199 25.0 11.0 3.1 2.3 10.2 10.9 8.8 13.7 13.7 12.9 25.0 11.0 7.3 7.4 3.2 8.8 5.9 1.5 20.6 4.9 25.0 13.3 7.4 7.3 7.4 7.5 13.7 13.7 12.4 25.0 13.3 7.4 7.5 7.6 13.7 13.7 13.7 25.0 13.3 7.4 7.5 7.6 13.7 13.7 25.0 13.3 7.4 7.5 7.5 25.0 13.0 7.5 7.5 7.5 25.0 7.3 7.1 7.5 7.5 25.0 7.3 7.1 7.5 7.5 25.0 7.3 7.1 7.5 7.5 25.0 7.3 7.1 7.5 7.5 25.0 7.3 7.1 7.5 7.5 25.0 7.3 7.5 7.5 7.5 7.5 25.0 7.3 7.5 7.5 7.5 7.5 25.0 7.1 7.5 7.5 7.5 7.5 25.0 7.1 7.5 7.5 7.5 7.5 25.0 7.1 7.5 7.5 7.5 7.5 7.5 25.0 7.1 7.5 7.5 7.5 7.5 7.5 7.5 25.0 7.1 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 25.0 7.1 7.5	52 10 56	13,3	\$C)	63	4.2	40.8	11.7	2,5	10.8		120	6.4
21.7 6.6 5.1 8.6 25.3 7.1 6.1 7.6 12.1 196 18.0 8.8 9.3 6.7 13.9 9.8 6.7 11.9 14.9 196 25.0 11.7 3.1 2.3 10.2 10.9 .8 14.1 21.9 196 33.9 11.3 7.3 3.2 8.1 6.5 2.4 13.7 13.7 12.4 51.5 5.9 1.5 8.8 5.9 1.5 20.6 4.4 68 61.0 7.3 2.4 20.7 00.0 10.0 1 13.3 7.3 7.3 7.3 7.0 00.0 1 22.4 20.7 00.0 10.0 1 24.8 20.8 7.3 4.1 5.5 24.3 10.0 4.7 11.0 11.2 1240 1	47 TO 51	19.0	8.5	2.1	60	22.5	8.8	90	14.1		142	11.5
18.0 8.8 9.3 6.7 13.9 9.8 6.7 11.9 14.9 194 25.0 11.7 3.1 2.3 10.2 10.9 .8 14.1 21.9 128 33.9 11.3 7.3 3.2 8.1 6.5 2.4 13.7 13.7 128 51.5 5.9 1.5 8.8 5.9 1.5 20.6 4.4 68 13.3 7.3 2.4 20.7 00.0 10.0 1 20.0 10	42 TO 46	21.7	9.9		9.0	23.	7.1	6.1	7.6	-	198	16.0
25.0 11.7 3.1 2.3 10.2 10.9 .8 14.1 21.9 128 33.9 11.3 7.3 3.2 8.1 5.9 1.5 20.6 4.4 68 51.5 5.9 1.5 2.4 4.9 2.6 12.2 41 13.3 2.4 2.4 4.9 9.8 12.2 41 13.3 2.4 26.7 00.0 10.0 1 2 2.4 26.7 00.0 10.0 1 2 21.8 7.3 4.1 5.6 24.3 10.0 4.7 11.0 11.2 1240 1	37 TO 41	18.0		9,3	5.7	13.9	8 6	6.7	11,9		194	15.6
33.9 11.3 7.3 3.2 8.1 6.5 2.4 13.7 13.7 124 51.5 5.9 1.5 20.6 4.6 68 61.0 7.3 2.4 4.9 9.8 12.2 41 13.3 2.4 2.4 2.9 9.8 12.2 41 13.3 2.4 2.4 2.9 9.8 12.2 41 13.4 100.0 100.0 1 14 15 15 15 15 15 15 15 15 15 15 15 15 15	32 10 36	25.0		3.1	23	10,2	10.9	Œ	14.1		128	10.3
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13.3 2.4 4.9 9.8 12.2 41 13.3 2.4 26.7 60.0 15 15 18 19.3 10.0 1 100.0 1 1 100.0 1 1 100.0 1 1 100.0 1 1 100.0 1 1 100.0 1 1 1 100.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 TO 26	51.5		1.5		8.8	5.9	5	20.6		89	5.5
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21.8 7.3 4.1 5.5 24.3 10.0 4.7 11.0 11.2 1240	-43 TO-39											
21.8 7.3 4.1 5.6 24.3 10.0 4.7 11.0 11.2 1240	-48 TO-44											
21.68 7.8 4.1 5.6 24.3 10.0 4.7 11.0 11.2 1240	-53 TO -49											
21.8 7.3 4.1 5.6 24.3 10.0 4.7 11.0 11.2 1240	-58 10-54											
21.8 7.3 4.1 5.6 24.3 10.0 4.7 11.0 11.2 1240	-59 & LWR		- 1									
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DALLAS, TEXAS

93901 STATION

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TOTALS

-33 TO-29

-38 TO-34

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-28 TO-24

-48 10-44

-58 10-54

-53 10-49

-13 TO --9

-8 10-4

-18 TO-14

-23 TO-19

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE	

VS. WIND DIRECTION

JAN 1973 - DEC 1977

UALLAS, TEXAS

93901 STATION

ALL

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12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		ENE & E	ESE & SE	SSE	SSW 8 SW	wsw w %	> × × ×	CALM	TOTAL FREQ.	% OF TOTAL
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1				100.0					2	.2
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1.0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0				68.8		12.5	6.3		16	1.3
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			7.7	70 8	7.7	9.2	1.5		65	5.2
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3	10.4	59.4	11.3	3.8	4.7		106	8.5
1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		2	17.7	48.7	7.0	6.3	5.1	1.9	158	12.7
1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		8.8	17.3	41.6	7.0	5.0	5.9	2.2	185	14.9
		2.5	15.6	26.6	4.7	8	5.7	5.5	192	15.5
		e e	14.0	21.8	8	7.8	0	5.7	193	15.6
		0.11	11.8	11.	8	8.1	12.5	9.9	136	11.0
1		12.8	2.1	7.4	5.3	5.3	8	9.6	76	7.6
		2.6	3.2	11.3	7.6	1.6	11.3	2.4	95	5.0
27.5	0				10.0		25.0	8.0	20	1.6
22 TO 26 17 TO 21 12 TO 16 2 TO 11 2 TO 11 2 TO 12 2 TO 13 2 TO 4 —13 TO –19 —23 TO –19 —38 TO –29 —43 TO –29 —48 TO –44 —53 TO –49	0.					12.5	25.0		205	9.
17 TO 21 12 TO 16 7 TO 11 2 TO 6 -3 TO 11 -8 TO -4 -13 TO -9 -18 TO -14 -23 TO -19 -28 TO -24 -33 TO -29 -48 TO -49 -48 TO -49	1									
12 TO 16 7 TO 11 2 TO 6 -3 TO 1 -8 TO -4 -13 TO -9 -18 TO -14 -23 TO -19 -28 TO -24 -31 TO -29 -48 TO -49 -48 TO -49	1									
2 TO 11 2 TO 6 -3 TO 6 -3 TO 1 -8 TO-4 -13 TO-9 -18 TO-19 -23 TO-19 -28 TO-24 -33 TO-29 -48 TO-34 -43 TO-39 -48 TO-49	-									
2 10 6 -3 10 1 -8 10-4 -13 10 -9 -18 10-19 -23 10-19 -28 10-24 -33 10-29 -48 10-49	-									
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-8 10-4 -13 10-9 -18 10-19 -23 10-19 -28 10-24 -33 10-29 -43 10-34 -43 10-49	-									
-13 TO -9 -18 TO -14 -23 TO -19 -28 TO -24 -33 TO -29 -48 TO -34 -45 TO -49	-	1								
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-23 TO-19 -28 TO-24 -33 TO-29 -38 TO-34 -48 TO-34 -48 TO-44										
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TOTALS 14.8 0.	6.0	100	12.3	32.3	7.3	9.9	7.7	4.3	1240	1240 100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE	3//
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WIND DIRECTION

- DEC 1977 JAN 1973

DALLAS, TEXAS

93901 STATION

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WIND DIRECTION

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112 TO 116 111 07 701 102 TO 106 97 TO 101 92 10 96 16 07 78 82 TO 86

117 TO 121

122+

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77 TO 81

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42 TO 46

37 10 41 32 10 36 27 10 31 22 10 26 17 10 21

57 TO 61 52 TO 56 47 TO 51

62 TO 66

2 2 2 2 2 2

-18 10-14

-13 TO -9

-3 70 1

-8 10-4

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12 TO 16

-23 10-19

-28 10-24 -33 TO-29

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-59 & LWR TOTALS

-58 TO-54

PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
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WIND DIRECTION

JAN 1973 - DEC 1977

DALLAS, TEXAS

93901 STATION

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117 TO 121											
112 TO 116											
111 07 701											
102 TO 106											
97 TO 101											
92 10 96				7.7	92					13	1.0
16 01 78	2.4	2.4	2.4		63.9	4.7	2.4	1.2		85	6.9
82 TO 86	3.2	2.5	7.0	22.3	52.2	F.	4.5	1.9		151	12.7
18 07 77	6.2	6.2	4		48.6	3.1	9	2.7	3.9	559	20.9
72 TO 76	9.1	6.3	0.5		4	5.2	1.6	2.8		253	20.4
17 07 79	12.3	10.5	7.3		30.5	9	3.2	5.8	-	220	17.7
62 TO 66	17.4	5.6	7.6		16.7	11.1	4.2	12.5		144	11.6
19 01 79	28.4	50	4.1		9		1.4	17.6		74	0.0
52 TO 56	37.5				60	20.8	8	12.5	12.5	24	1.9
12 07 74	10.0				20.0	30.0		10.0		10	20
42 TO 46									-	7	-
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 10 21											
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WIND DIRECTION

JAN 1973 - DEC 1977

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STATION NAME

DALLAS, TEXAS

93901 STATION

WIND DIRECTION

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92 10 96 87 TO 91 82 TO 86 77 TO 81

102 TO 106

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72 TO 76

67 TO 71

52 TO 56

42 TO 46 37 TO 41 32 TO 36

47 TO 51

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1.1 22.3 22.3 19.3 9.6 8.5

1200 100.0

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NAVWEASERVCOM -59 & LWR

-48 TO-44

-53 10-49 -58 10-54

-18 TO-14

-23 10-19

-13 TO -9

-3 10 1 -8 10-4

17 10 21

12 TO 16

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1239 100.0

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-59 & LWR

-58 TO -54

-53 TO-49

-48 TO -44

-43 10-39

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

- DEC 1977 JAN 1973

DALLAS, TEXAS

93901 STATION

WIND DIRECTION

ALL

,	Z	ENE	ESE	SSE	SSW	WSW	WNW		TOTAL	% OF
z «	& NE	×5 □	& SE	8.5	& SW	8	% N ≪	CALM	FREQ.	TOTAL
		50.0						50.0	2	.2
		23.5		17.6	5.9	5.9		17.6	17	1.4
6.2	3.1	13.8		0.04	10.8		1.5	6.2	65	5.2
2.2		7.7	13.8	55.2	3	3.9	2.8	2.2	181	14.6
3.7		9.2		40.6	10.1	0.0	1.8	4.1	217	17.5
2.0			15.8	52.6	111.7	8	1.2	6.4	247	19.9
3		0 1	8.2	7 44	16.8		1.4	12.9	279	22.5
3.7	3.2		13.1	24.7	22.4	2.3	2.3	18.7	219	17.7
8.3			1		58.3			25.0	1.2	1.0

NAVWEASERVCOM

WIND DIRECTION

DALLAS, TEXAS

93901 STATION

JAN 1973 - DEC 1977

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121-1- 1						WIND DIRECTION	NOILO				-	
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2.2 3.4 11.9 23.5 41.4 4.0 2.0 5 2.2 3.4 11.9 23.5 41.4 4.0 2.0 5 4.4 3.9 12.7 15.6 32.2 1.5 4.4 3.9 12.7 15.6 32.2 1.5 33.3 3 33.3 15.9 13.8 5.0 13.8 5.0 10.8 2 33.3 3 4 11.4 22.1 37.5 5.4 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	122+											
1.0	17 TO 121											
1.0 4.1 7.3 27.6 55.6 7 5.6 2.5 2.2 1.5 2.2 3.5 4.2 4.2 4.2 7 2.2 1.5 2.2 1.5 2.2 3.4 4.2 4.2 7 2.2 1.5 2.2 1.5 2.2 3.3 3.3 27.3 10.3 2.2 1.5 3.3 1.0 3.3 2.2 1.5 3.3 1.0 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	12 TO 116											
1.0 4.1 7.8 27.8 55.6 3.5 7.0 15.6 28.6 33.7 4.0 2.0 2.0 2.5 2.0 3.6 11.9 23.9 41.7 10.4 2.3 1.0 4.5 4.2 3.9 12.7 16.6 32.2 16.5 23.1 10.3 4.4 3.9 10.3 10.3 10.4 2.3 10.3 10.3 33.3 33.3 33.3 33.3 33.3 10.3 20.5 13.8 10.3 2.5 4 <	07 TO 111											
33.5	02 TO 106											
1.0	7 TO 101			500	27.8	55.6		5.5		2.8	36	2.9
39.5 7.0 15.6 28.6 33.7 4.0 2.0 .5 2.2 3.4 11.9 23.5 41.4 9.7 2.2 1.5 4.2 3.9 12.1 18.6 41.7 10.4 22.1 10.9 2.3 33.3 1 33.3 1 10.8 5.9 13.8 10.3 2 33.3 3 33.3 1 10.8 5.9 13.8 10.3 2 33.4 3 33.3 1 10.8 10.8 10.9 2 33.4 3 33.3 1 10.8 10.8 10.9 2 33.5 3 4.4 11.4 22.1 39.5 9.4 1.6 1.0	2 10 96	7.0			25.9	49.7	6.7			4.7	193	
2.2 3.4 11.9 23.5 41.4 9.7 2.2 1.5 4.2 4.2 3.9 1.0 4.2 3.9 1.0 4.2 3.9 1.0 4.2 3.9 1.0 4.2 3.9 1.0 4.2 3.9 1.0 4.2 3.9 1.0 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	16 01 7	W.			28.6	33.7	0.4	2.0	.5	2.0	661	
4.4 3.9 9.1 15.6 41.7 10.4 2.3 1.0 1 4.4 3.9 12.7 16.5 32.2 15.1 .5 1 33.3 33.3 1.0 1 33.3 33.3 1.0 1 33.3 33.3 1.0 1 33.3 33.3 1.0 1 33.4 10.3 20.7 10.3 0.0 13.8 10.3 2 33.5 1.0 10.3 2.5 1 33.5 1.0 10.4 22.1 39.5 9.4 1.0 1.0	2 TO 86	2.2			23.5	43.4	6.5	2.2	1.5	4.1	266	21.6
4.4 3.9 12.7 16.6 32.2 15.1 .5 10.3 2 33.3 10.3 5.9 13.8 10.3 2 33.3 10.3 5.9 13.8 10.3 2 33.4 10.5 22.1 39.5 9.4 1.6 1.0	18 01 7	4.2	3.9		10.0	41.7	10.4	2,3	1.0		307	24.8
33.3	2 10 76	4.4	3.9		16.6	32.2	10.1		.5		205	16,5
33.3 33.3 33.3 33.3 33.3 3.5 3.5 3.5 3.5	17 07 1	6.9			10.3	6.0	13.0		10.3		53	2.3
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10 10 10 10 10 10 10 10 10 10 10 10 10 1	10 31											
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24 -9 -9 -19 -19 -19 -29 -29 -29 -29 -29 -29 -29 -29 -29 -2	10 21											
10 10 10 10 10 10 10 10 10 10	10 J6											
14 19 19 29 29 29 39 40 411.4 22.1 39.5 9.4 1.0	11 01											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	10 6											
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3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	8 10-4											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	13 TO -9											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	18 TO-14											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	23 TO-19											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	28 TO-24											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	33 TO-29											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	38 TO -34											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	43 10 - 39											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	48 TO-44											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	53 TO-49											
3.2 4.4 11.4 22.1 39.5 9.4 1.6 1.0	58 10-54											
3.2 4.4 11.4 22.1 37.5 9.4 1.6 1.0	59 & LWR											
	TOTALS	3.6		1	7 6 7 7	37.5	*	0.1	1.0	**	1640	1640 100.0

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WIND DIRECTION

DALLAS, TEXAS

93901 STATION

JAN 1973 - DEC 1977

SEPTEMBER

ALL

% OF TOTAL						6.	4.4	8.5	14.4	19,1	22,3	13.2	8.3	5.7	2.5	9																							1200 100.0
TOTAL FREQ.						11	53	102	173	528	268	158	66	69	30	5																							1200
CALM						18,2	4.6	6.4	4.9	3.6	11.9	13.3	15.2	14.7	0.04	55.6																							11.6
WN W NW							8	2.9	1.7	2,2	4	3.8	12.1	7.4	10.0																								0.9
wsw & w							0	1.0	0	4.	1.1	2.5	2.0	80																									1.6
SSW & SW						18.2	13.2	6.4	0	\$	5.2		3.0	5.																									6. 9
SSE & S						45.5	41.5	41.2	40.5	35.4	50.02	13.9	00	5 • •	6.7	11.1																							27.3
ESE & SE						1.6	17.0	24.5	16.2	10.1	15.7	8.2	E)	2.9																									16.2
ENE ENE						9.1	3.	7.8	11.0	10.5	0.6	12.7	11.1	2	6.7																								6.5
NNE NE							7.5	6.9	6.9	11.4	9.3	22.8	12.1	11.8	16.7	11.1																							11.3
≥ Z Z ≪								5.9	7.5	6.6	17.5	22,8	31.3	45.6	20.0	22,2																							18.6
TEMP.	122+	117 TO 121	112 TO 116	107 70111	102 TO 106	101 01 76	92 10 96	16 01 78	82 TO 86	77 TO 81	72 TO 76	17 07 79	62 TO 66	19 01 25	52 TO 56	47 TO 51	42 TO 46	37 TO 41	32 TO 36	27 TO 31	22 TO 26	17 TO 21	12 TO 16	7 TO 11	2 70 6	-3 TO 1	-8 TO-4	-13 TO -9	-18 TO-14	-23 TO-19	-28 TO-24	-33 TO-29	-38 10-34	-43 TO -39	-48 TO -44	-53 TO -49	-58 TO-54	-59 & LWR	TOTALS

WIND DIRECTION

OCTUBER

ALL

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STATION NAME

DALLAS, TEXAS

93901 STATION

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TEMP.	≥ z z «	& NE	× EN EN EN	ese & se	SSE & S	SSW 8 SW	% S %	> > × × × ×	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
111 OT 701											
102 TO 106											
101 01 26							100.0				
92 10 96					66.7	60					2.
16 01 78	9.6			22.2	55.6	5.6			11.1	301	1.5
82 TO 86	1.2	3.6	8.8	10.8	65.1	7.2	3.6	1.2	2.4	83	6.7
18 01 77	10	. 7	9 9	27.4	63°E	6.8	3.4		5.5	146	11.8
72 TO 76	0.8	2.	0.4	16.7	52.	4.6	1.1	2	5.5	174	14.0
17 07 79	10.3	7.7	0	14.2	33.2	11.2	1.7	0.6	6.6	233	3.8
62 TO 66	15.1	4.2	4	13.0	25.0	7.5	1.7	4.6	8.81	539	19.3
19 01 75	25.0	9.6	2.0	6. 6.	6	8	0.4	12.9	16.1	124	10.0
52 TO 56	23.3	00	2.0	00	0.5	14.6	5.00	30	24.3	103	6.3
47 TO 51	29.4	10.3	7.4	4.4	5.0	6.6	4.4	5.9	59.4	68	5.5
42 TO 46	23.7	10°S	10.5		9	10.6	10.5	5.6	21.1	20	3.1
37 TO 41	10.0					30.0		20.0	0.04	10	9.
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 10 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	13.0	0.0	0.0	13.0	31.	0	0.6	4.13	13.4	1240	1240 100.0

WIND DIRECTION

DALLAS, TEXAS

93901 STATION

≥ z z z «

TEMP. 122+ 17 10 121 112 TO 116 111 07 701 102 TO 106

NOVEMBER

ALL

% OF TOTAL

JAN 1973 - DEC 1977

	FREG.	1	33	06	123	153	175	200	179	68	67	25	5		~	4	
	CALM		3.0	1.1	2.4	5.2	7.4	7.0	10.1	18.3	19.4	17.3	10.5	14.3			
	> × × × × × × × × × × × × × × × × × × ×		4	W.	7	6.5	9.1	150	13.4	21.5	22.4	15.4	26.3	42.9			
	>> >> >> >> >> >> >> >> >> >> >> >> >>	14.3	0.6	4.4	80		4.6	4.5	0.00	3.2	4.5	5.00					
CTION	%	57.1		7.8	6.5	30	12.6	7.5	5.0	9.01	14.9	200	31.6	14.3	0.001	100.0	
WIND DIRECTION	S S S S S	28	9.09		53		32.0			2.00	1.0	6					
3	& SE		6.1	10.0	15.4	12.4	4.4	15.5	3.6	2.2	000	1.9					
	ш м ш ш				4.1	9	2.9	0.6	6.7			00					
	Z Z Z Z				4.1	9.4	100		7.8	6.5	1.5	7.7					

2 2 E

12.8 14.6 14.9 7.8 5.6

1.6

31.6

22 TO 26

27 TO 31

12 TO 16

17 10 21

32 TO 36

37 TO 41

42 TO 46

-18 TO-14 -23 TO-19

-13 TO -9

-8 10-4

-3 TO 1

-33 10-29 -38 TO-34

-28 TO-24

-48 TO-44

-53 TO-49 -58 TO -54 -59 & LWR

-43 10-39

11.1 113.7 113.7 12.6 132.6 132.6

47 TO 51

52 TO 56

62 TO 66

57 TO 61

82 TO 86

77 TO 81 72 10 76 67 TO 71

16 01 78

1200 100.0

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ALL

		DECEMBE	MONTH
.57	WIND DIRECTION	JAN 1973 - DEC 1977	YEARS
		TEXAS	STATION NAME
		DALLAS, TEXA	

					WIND DIRECTION	ECTION					
TEMP.	N N N	S NE	& EN	ESE & SE	SSE & S	SSW & SW	wsw 8 w	× × ×	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							100.0			-	٠.
82 TO 86						100.0				3	.2
18 01 77					33,3		11,1	11.1		0	
72 TO 76					56.0		16.0			25	2.0
17 07 79				2.1	59.6	17.0	12.8	S. 63		4.7	3.8
62 TO 66	3.4	1.1		4.5	62.5		10.2	5.7	2.3	38	7.1
19 01 75	00	2.8	9.4	10.1	40.4		11.0	3.7	2.6	108	න න
52 TO 56	12.3	4	2	7.4	39.3		3,7	6.6	0 8	163	13.1
47 TO 51	12.1	3.0	0.7	11.6	23.6		30	13.1	12.6	661	16.0
42 TO 46	19.1	3.3	7.0	15.3	17.7	8.8	5.5	10.7	12.6	415	17.3
37 TO 41	23.9	5.0	6.7	5.0	12.8		7.8	15.0	16.7	180	14.5
32 TO 36	34.2	9		4	2.6		3.4	17.1	17.9	117	4.6
27 TO 31	30.4	3.6			14.3	17.9	6.6	14.3	10.7	30	4.5
22 TO 26	54.5	9.1				22.7		13.6		22	-
17 TO 21	66.7					33.3				3	. 2
12 TO 16	100.0										ev.
7 70 11											
2 TO 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 10-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR					-						
TOTALS	17.3	9.0	0 * *	7.3	20.4	77.5	7 .3	10.9	10.8	1440	100.0

NAVWEASERVCOM

93901 STATION

13

PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
AIR	
9	
FREQUENCY	7.0
PERCENTAGE	

VS. WIND DIRECTION

JAN 1973 - DEC 1977

DALLAS, TEXAS

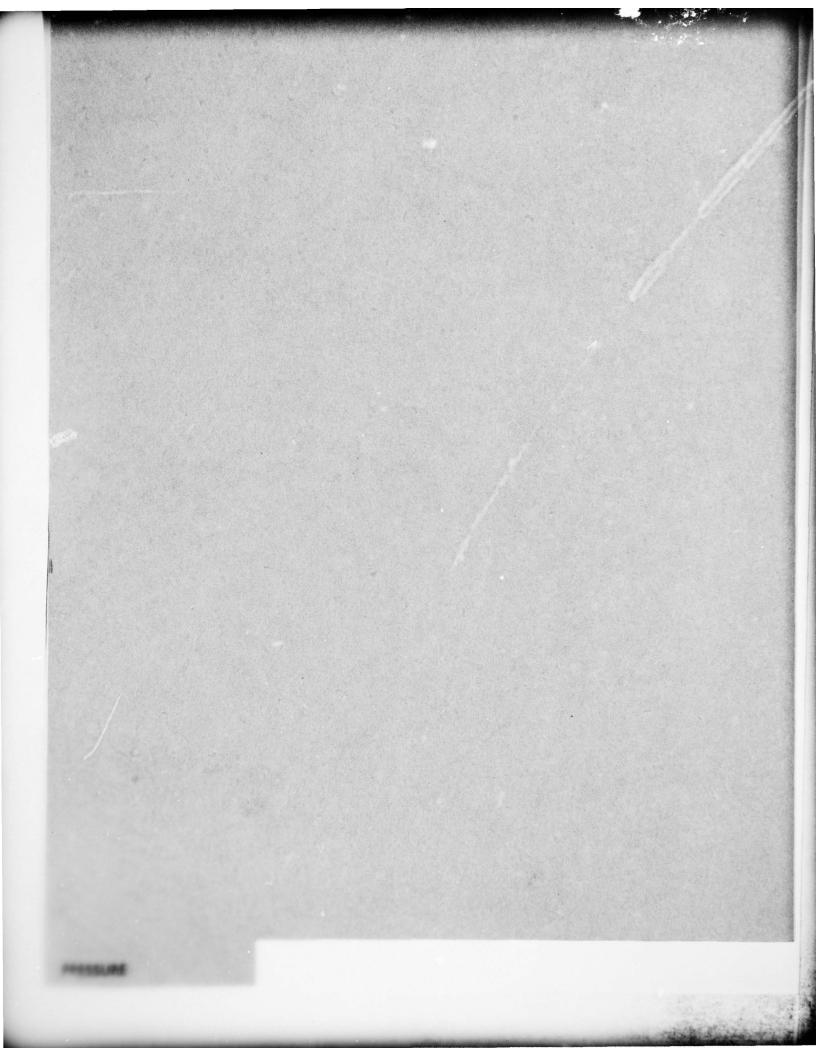
03901 STATION

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ALL

					WIND DIRECTION	ECTION					
0	NN N	NNE	ENE	ESE	SSE	SSW	WSW	WNW	4	TOTAL	%
	Z ø	⊗ NE	& E	& SE	8.5	& SW	8 W	N N N	CALM	FREO.	101

					WIND DINECTION	100					-
TEMP.	≥ Z Z ≈	NNE NE	& ENE	ESE & SE	SSE & S	SSW 8 SW	W S W	3 2 X X 8	CALM	TOTAL FREG.	% OF TOTAL
122+											
17 10 121											
112 TO 116											
107 TO 111			50.0						50.0	2	0.
102 TO 106			53.5	29.4	17.6	5.6	5.9		17.6	17	1.
101 OT 76	4.3	1.6	11.1	19.0	0.94	7,1	0.4	8		126	6.
92 TO 96	1.3	3.9	5.8	10.4	57.0	4.8	2.0	1.9		537	3.7
16 01 78	3.7	4.7	0	10.4	0.84	4.0	2.0	1.7		811	9.6
82 TO 86	3.7	4.6	00	17.2	69.6	9.0	2.3	1.4		1247	80
77 TO 81	00	4.3	2.0	17.3	45.5	5.6	2.4	2.0	6.7	1739	11.9
72 TO 76	7.9	4.6	7.5	15.9	8 1 3	10.3	2.0	2.2		1633	12.5
17 07 79	9.6	7.3	7.3	12.8	38	6.1	3,00	100		1420	9.6
62 TO 66	12.3	5 4	7.6	12.8	33 3	00	4.2	7.0	2.0	1338	9.2
19 01 79	17.2	6.5	3.0	9.0	27.4	6 9	6.5	7.9	7.6	1133	7.8
52 TO 56	15.9	6.3	0.0	0.5	24.7	10.1	8.1	11.5	10.1	1087	7.4
47 TO 51	18.9	4.0	7.3	7.3	17.2	6 2	7.2	14.4	11.8	977	6.7
42 TO 46	23.6	6.6	8	9.2	15.2	S . S	3.4	14.1	11.6	058	5.8
37 TO 41	22.7	6.7	1.0	6.0	12.3	10.4	6.1	16.0	14,8	650	4.5
32 TO 36	32.3	3,1	100	2.3	4.0	13.5	3.3	90 50 -4	16.8	393	2.7
27 TO 31	33.0	7.0	50 50 50 50	1.6	G5.	12.6	9	17.1	12.5	257	1.8
22 TO 26	47.7	2. 25			4.0	10.1	6.	22.9	30	109	. 7
17 10 21	56.3	6,3	2.1		2.1	4 · O i		60	14.6	94	6.
12 TO 16	26.3					20.3		47.4		51	۲.
7 10 11					7				100.0	•	0.
2 70 6					100.0					-	0.
-3 TO 1											
-8 10-4											
-13 10 -9											
-18-TO-14											
-23 TO-19											
-28 10-24											
-33 TO -29											
-38 10-,14											
-43 TO -39											
-48 TO -44											
-53 TO-49											
-58 10-54											
-59 & LWR											
TOTALS	12.0	0.0	7.1	12.6	33.8	000	3.0	6.0	G.	14607	14607 100.0



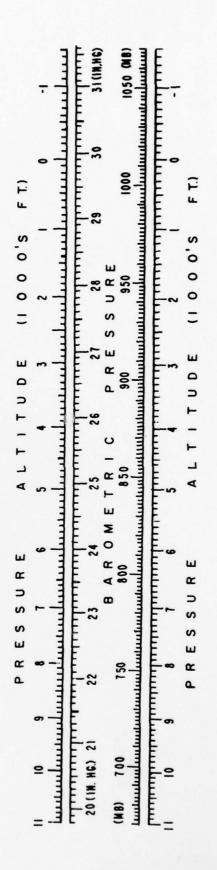
PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding Presented in this part are two tables giving the means, standard deviations, and total number of observations to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY DBSERVATIONS

03901	DAI	DALLAS, TE	TEXAS				13.	-77						
STATION			5	STATION NAME						YEARS			-	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	29.6392	929.580	19.437	82	C	29.437	0	01	0	75.6	9.592	0	52
00	S. D.	.22	.217	6.	00	15	1117	100	000	.123	. 15	0	. 21	000
	TOTAL OBS	155	141		150	25		35	138	150	155	150	155	1824
		29.63329.57	17.9.97	29.425	7.1		29.430	66	6	29.4872	15.6	9.587	0	-
60	S. D.	.232	22.	.195	.187	-		440.	990.				.216	
	TOTAL OBS	155	141	1.5	150	10	14	15	15	15	15	-	5	N
	MEAN	29.63329.58	3	4	6	1 7	29.457	00	0	0	9.5	9.597	965.60	50
90	S. D.	.236	18.	.200	. 188	. 153	11.8	076	990	.124	.154	205	. 23	30
	TOTAL OBS	155	141		150	5		155	155	150	155	150	155	1825
	MEAN	29.67629.626	9.626	29.479	2	59.449	29.486	47	5	100	9.63	9.637	100	56
60	s. D.	.237	.221	-205	300	-	11.3	.077	.068	.126	.155	200	. 22	
	TOTAL OBS	155	141			-	•			150	13	-	155	1826
	MEAN	0 44.00	430	30 1.64	9	40.4.0	047 00	0			6.4.0	9.7.0	4.	
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12	s. O.s.	•234	.224	.201	• 1 SS	.153		.076	690.	.127	.157	.214	.230	.188
	TOTAL OBS	155	141	15	100	163	1.5	5	150	5	2	5	12	82
	MEAN	29.59629.54	4	96	60	4	714.90	000	2		9.54	9.55	3	4
13	S. D.	.232	-	.195	.182	.152	119	.076	.067	.130	.156	.213		60
	TOTAL OBS	155	141	15	500	2	2	2	2		15	5	5	100
	MEAN	29.6012	9.539	9.382	32	36	29.384	451	4	4	9.54	9.557	5	4
93	S. D.	.229 .220	.220	.193	.182	.148	.120	.074	990.	.128	.156	.207	.213	
	TOTAL OBS	155	141	1.35	500	30	15	5	-	5	13	13	2	8
	MEAN	29.6262	9.569	9.420	29.468	00	29.413	29.477	3	29.48	9.57	9.888	003	0
21	S. D.	.231	.215	.192	.180	•	.123	.073	100.	.127	.158	.205	.20	8
	TOTAL OBS	155 141	141	15	1	155	14	1.5	155		15	5	155	1825
	MEAN	29.63429.5792	9.579	9.430	29.480	40	784.90	29.500	0	64.00	9.58	9. 490	0	-
ALL	S.D.	233	220	000	187		123	000	200	120	158	308	00	40
HOURS	TOTAL OBS	1240	100	1240	1200	1240	1100	280	100	1200	1240	1200	1240	460
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MEANS AND STANDARD DEVIATIONS

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STATION			5	STATION NAME						YEARS				
HRS.(1.5.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1021.11018 8.008 7.6 155 1	7.636	1013.8 6.765 158	50	1012.5 5.241 155	4.045	2.550	2.267	1015.4 4.336 150	1018.5 5.498 155	1019.2 7.127 150	1019.7 7.447 155	1016.5
60	S. D. TOTAL OBS	1020.81018.6101 8.187 7.701 6.	7.701	3.3	1014.8 6.524 150	1012.1 3.259 153	4.153	2.554 2.554 155	2.272	1015.2 4.350 150	1018.4 5.409 155	7.130	7.605	6.545
90	S. D. TOTAL OBS	8.301 7.573 7. 155 141	7.573	3.0	1015.6 0.581 150	1012.8 5.319 155	1014.1	1016.1 2.660 155	1016.2 2.359 155	1015.9 4.362 150	1019.2 5.439 155	7.244	7.842	1016.9
60	MEAN S. D. TOTAL OBS	1022.41020.5101 8.350 7.756 7. 155 141	1020.5 7.756 141	5.5	1016.7 6.576 150	1013.9 5.325 155	1015.0	1017.1 2.661 155	1017.3 2.360 155	1017.0	1020 · 5 5 · 4 · 1 155	1020.8 7.353 150	1020.8 7.990 155	1018-1 6-653 1826
2	S. D. TOTAL OBS	1022.11020.2101 8.250 7.846 7. 155 141	7.846	1500	1016.3 6.533 150	1013.4 5.334 155	1014.5 4.120 150	1016.6 2.624 155	1016.6 2.392 155	1016.4 4.426 150	1019.7 5.503 155	1020.0 7.531	1020-1	1017.5 6.657 1826
21	S. D. TOTAL OBS	1019.61017.610 8.174 7.764 6 155 141	7.764	826 155	1014.4 6.342 150	1011.6 5.271 155	1012.7 4.140 150	1014.8 2.632 155	2.309	1014.2	5.461	7.507	1017.8 7.923 155	1015.4
20	S. D. TOTAL OBS	1019-81017-5101 8-055 7-720 6- 155 141	7.720	743	6.331	5.189	4.146	1013.8 2.569 155	1013.7 2.283 155	1013.9	5.453	7.300	1018-2 7-484 155	1015.0
21	S. D. TOTAL OBS	1020.71018.510 8.150 7.574 6 155 141	7.574	13.2 .702 155	1014.8 6.274 150	5.155	4.250	2.538	1014.9 2.292 155	1015-1	5.524	7.257	7.349	1016-1 6-554 1825
ALL	S. D. TOTAL OBS	1020.91018.91 8.214 7.741 1240 1128	7.741	6.946 1240	1015.2 6.498 1290	1012.3 5.336 1240	4.271	2.784	1015.5 2.560 1240	1015.4 4.521 1200	1018.7 5.548 1240	7.343	7.749	1016.5